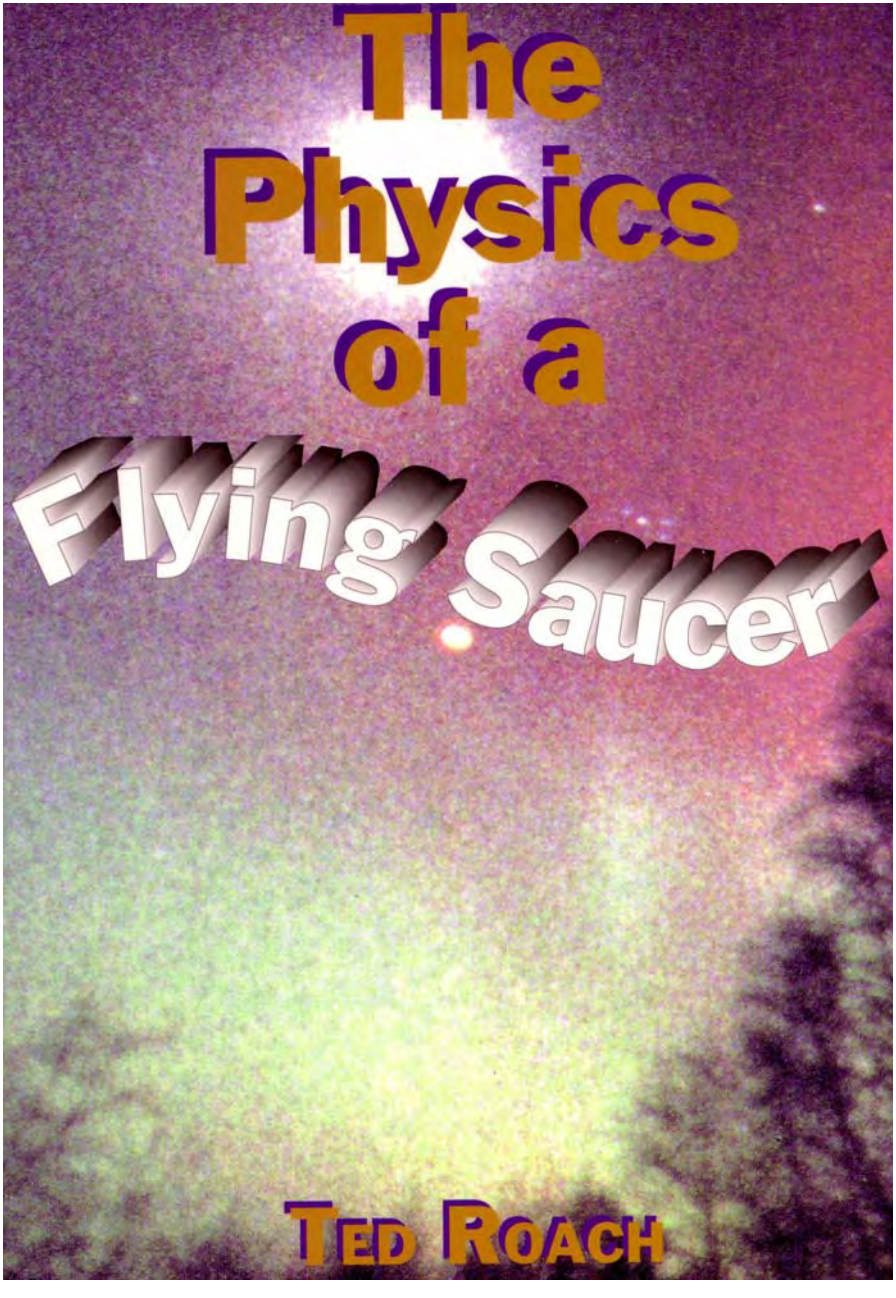
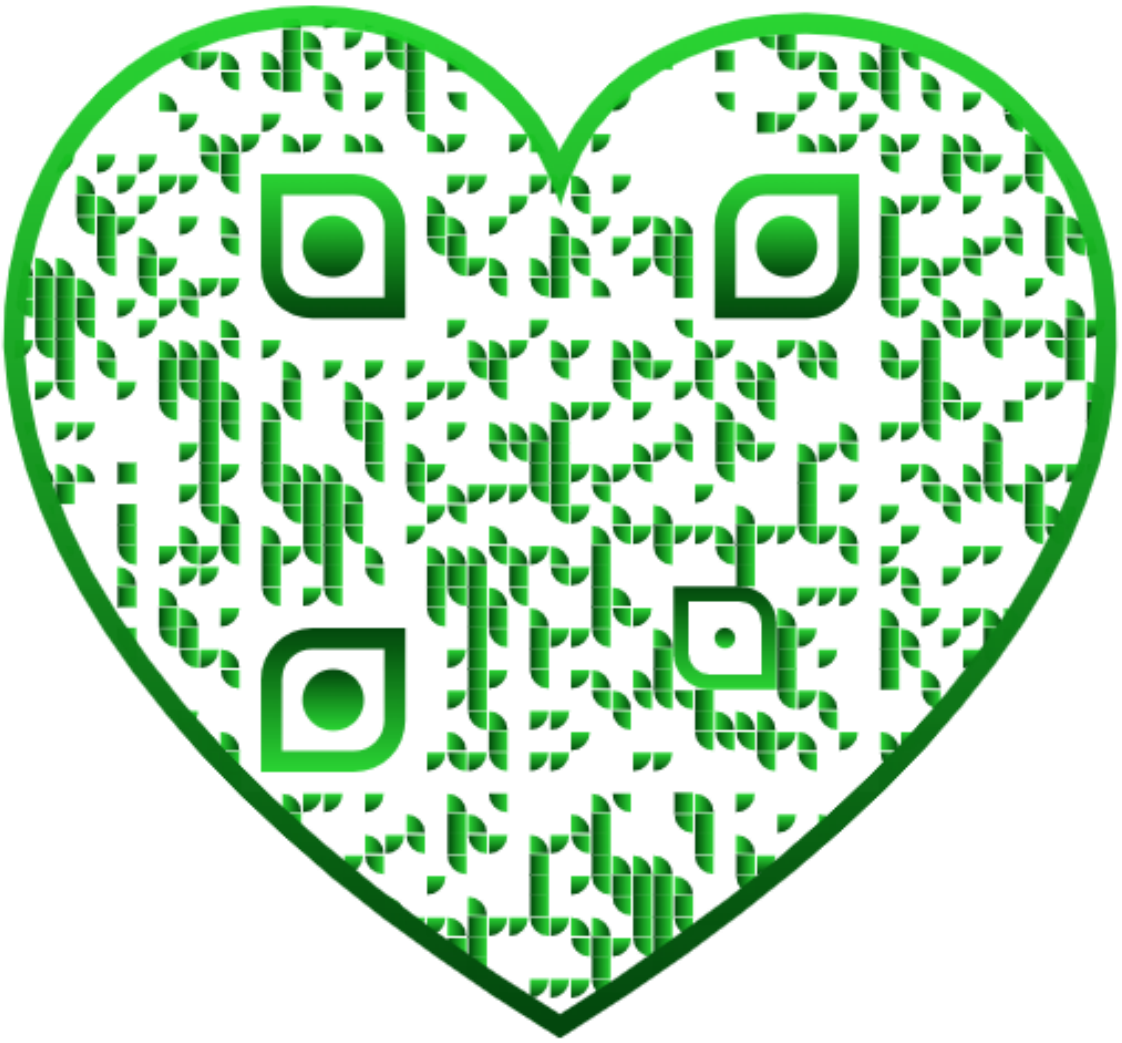

The Physics of a Flying Saucer
Ted Roach



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Appendix

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Chapter 1

UFO Experiences

It was about 3am. The distant sound of barking dogs echoed across the still valley where the small farmhouse was located, in the South Island Of New Zealand. This small farmhouse was to be the setting for a holiday for a friend's mother. She was not to realise that her life would be changed forever by the events about to unfold.

As she rolled over in her bed she felt uncomfortable, a strange feeling that people often get when someone is looking at them from behind. She decided to get up and have a drink of water.

As she reached the kitchen, with its views out across the valley, she noticed a bright silver object about 50m in front of the farmhouse. She rushed to the kitchen window. It was a flying saucer. It was triangular in side elevation and about 10m in diameter.

Within seconds of her seeing the saucer, it rose gently above the ground, and then with the majesty of a thorough understanding of gravity and the laws of nature, tilted slightly and

silently, and within a few seconds and at high speed, disappeared into the clouds. It was an amazing experience and one she will never forget.

This experience is typical of thousands of reported sightings of UFO's around the world.

If these machines are real and not imagined, then the occupants have a far superior understanding of the laws of nature than we do.

This subject has fascinated me from a young age. My first conscious interest in flying saucers occurred during a lunchtime talk on the subject by a lecturer in Veterinary Science at Sydney University, when I was studying Civil Engineering. It occurred to me at the time that if flying saucers were real there would be major scientific, technological and theological ramifications. The interest in the subject has stayed with me ever since. Dismissing the subject as so many have because it is portrayed in the media and by many scientists as "paraphysical", is not a satisfactory or adequate explanation to many people. Most major discoveries, such as the Earth not being flat, or the Sun being the centre of the Solar System were ridiculed and considered "abnormal" hypotheses at their beginning. Scientific understanding of a subject should not be influenced by peer pressure either by the media, other scientists or the community at large. It should be determined by rational argument.

Since my early interest, was aroused in (lying saucers, I have read books on the subject that appeared to have substance

and taken an interest in finding out the experiences of friends and their acquaintances who claim to have seen, or had close friends who have seen, them.

Another friend who has seen a flying saucer is a civil engineer. He was driving along with his father on a country road in New Zealand when a flying saucer tracked along side the vehicle for about 30 seconds, then sped off at right angles and up into the clouds and disappeared.

I have begun with these cases because I know the calibre of the witnesses and their personal accounts verify to me that at least some of the observations of others on flying saucers recorded throughout history have credibility.

Another friend with an experience related to flying saucers was a former missionary in Papua New Guinea. The incident is famous and was an "Encounter of the Third Kind", that had a large number of witnesses. More than one sighting occurred and they took place on 26th and 27th June 1959. Although my missionary friend was not a witness to seeing the flying saucers, she spoke to people who were at the Boainai Mission Station headed by the Reverend William Booth Gill, an Anglican minister. The case is famous and is outlined in "The UFO Experience. A Scientific Inquiry" by Dr J Allen Hynek.

Rev. Gill writes "Last night we at Boainai experienced about 4 hours of UFO activity, and there is no doubt whatsoever that they are handled by beings of some kind. At times it was absolutely breathtaking....".

Extracts from Rev. Gill's notebook as detailed in Dr Hynek's

book reveal a number of flying saucers;

"All UFO's very clear. 'Mother' ship still large, clear, stationary....At 7:20 the UFO went through the clouds, right through ....Others were coming and going through the clouds...They were descending through the clouds and the glow of the discs was reflected at the base of the clouds, and then they would go in through the cloud again, and they seemed to enjoy doing that."

And he continues...."Then came the next night, and this was the interesting one. A large UFO was sighted by one of the nurses at the hospital at 6:00 P.M.... we were walking , and this thing came down to what we estimated as the closest we had seen it.... Somewhere between 300 to 500 feet....It was not dark, and we could see it quite clearly. It was still bright and sparkling, but it seemed very near and clear. And there was this figure again on the decking..... And so we waved ....and the thing waved back. And then Eric, who was with me ... waved his two arms, along with another lad, and then the figures waved two arms back."

I recently contacted Rev. Gill and he confirmed the sightings and his meeting with Dr Hynek.

Another "Close Encounter Of The Third Kind" where there were a number of witnesses was the Walton Experience.

Travis Walton worked with six other timber cutters in Arizona's Apache Sitgreaves National Forest. On Wednesday the 5th November 1975 they had completed a hard day's work and at sunset began their drive back through the forest towards home.

As their pick-up truck weaved its way along the mountain road, they saw a bright shining object through the trees. They passed an evergreen thicket and there it was in front of them.

"A flying saucer" one of them yelled as their truck came to a halt.

Travis Walton in his book 'The Walton Experience' continues " There, a mere ninety feet away, a strange, golden disc hovered silently .....I estimated the thing to have an overall diameter of fifteen feet, and be about eight or ten feet thick ..... There was no motion and no sound from the craft. It almost appeared to be dead in the air."

Travis Walton became curious. He got out of the truck and hurriedly started towards the hovering flying saucer. As he came closer he moved more slowly. "I was about six feet away from being directly under the machine..... I stared up at the unbelievably smooth, unblemished surface of the curving hull."

He could hear sounds from within the craft and the saucer started to wobble, although the same side stayed towards him. It remained hovering in the same space while it wobbled.

Walton was then hit by a blue-green ray from the bottom of the craft that felt like a high voltage electrocution. He was knocked out and totally oblivious to anything further. His other six mates in the truck after seeing the awesome sight started the truck and headed down the road as fast as they

could.

After a short while they decided to stop the truck and go back to recover Walton. It was sunset and one of the loggers then spotted the golden disc through the trees. "It had raised itself vertically to treetop level and streaked away towards the north-east at an incredible speed." When the loggers arrived back at the spot, Travis Walton was missing. The locals accused the loggers of murdering Walton and they came under the closest of scrutiny.

Local authorities organised a full scale search. They combed the area for Walton's body. They checked the site for radiation with a Geiger counter, but only found background radiation. Polygraph tests were completed on all the timber workers to check if they had fabricated the story. They were concerned that Walton had been the victim of foul play. The polygraph tests proved that the story of the loggers was genuine.

Another investigator checked the area for other anomalies. He found "electromagnetic readings of 10 gauss above the normal magnetic field in the trees and brush at the site."

Five days later Travis Walton regained consciousness on the edge of a road 10 miles from his initial abduction. As he woke he saw a flying saucer "little more than a dozen yards away". It was about 40 feet in diameter and hovering about four feet above the pavement. He goes on to say "For an instant it floated silently above the road", it had a..."smooth unblemished hull..... Then, abruptly, it shot *vertically* into the sky, creating a strong breeze that stirred the nearby pine boughs and the dry oak leaves that lay in the dry grass on the side of

the road.... The most striking thing about its departure was its quietness ....it was totally silent."

Travis Walton later passes a polygraph test on his experience.

This is a typical close encounter observation. It is interesting because there were six witnesses besides Walton. They all initially saw the flying saucer. Nobody has been able to deny or break the witnesses' account. The flying saucer Walton finally saw was different to the one the timber workers saw in the forest when Walton was abducted. Under hypnoses Walton reveals he was taken to a "mother ship" where he appears to have been medically checked over by aliens before being returned to the road five days later.

These sightings of flying saucers are similar to thousands of others, throughout history.

From the Bible, one of the earliest records is found in Ezekiel 1. Ezekiel's account is as follows;

" I looked, and saw a windstorm coming out of the north.... an immense cloud with flashing lightning and surrounded by brilliant light. The centre of the fire looked like glowing metal, and in the fire was what looked like four living creatures. In appearance their form was that of a man. Their legs were straight; their feet were like those of a calf feet and gleamed like burnished bronze."

Is this a description of flying machines controlled by spacemen?

Ezekiel continues,

"..Each one went straight ahead. Wherever the spirit would go, they would go, without turning as they went..... The creatures sped back and forth like flashes of lightning."

Ezekiel then goes on to talk further about the machines. In verse 19 "When the living creatures moved, the wheels beside them moved; and when the living creatures rose from the ground, the wheels also rose. Whenever the spirit would go, they would go, and the wheels would rise along with them, because the spirit of the living creatures was in the wheels. When the creatures moved, they also moved; when the creatures stood still, they also stood still; and when the creatures rose from the ground, the wheels rose along with them, because the spirit of the living creatures was in the wheels ..... When the creatures moved, I heard the sound of their wings, like the roar of rushing waters..."

Ask someone without any knowledge of today's technology to give a description of flying saucers, their occupants and motion. Ezekiel has given a very good description.

There are other numerous accounts in the Old Testament that describe angels (or aliens?) and flying saucer-like objects. For instance God sent an angel to Moses in Exodus 3:2

"There the angel of the Lord appeared to him in flames of fire from within a bush. Moses saw that though the bush was on fire it did not burn up." This was very similar to Travis Walton's account of what the timber workers first saw through the undergrowth when they encountered their flying saucer. A voice goes on to tell Moses, "So 1 have come down to rescue

them (the Israelites) from the hand of the Egyptians."

Is the burning bush a glowing saucer in a thicket of bushes that comes from a place in the sky?

In Exodus 13:21 the Israelites' instructions fleeing the Egyptians, were to follow a cloud. Moses states:

"By day the Lord went ahead of them in a pillar of cloud to guide them on their way and by night in a pillar of fire to give them light. Neither the pillar of cloud by day nor the pillar of fire by night left its place in front of the people."

During the day the flying saucer looked cloudlike, at night it shone, and it always hovered in front to guide the Israelites to the chosen land.

There are many references to angels and descriptions of flying saucer-like objects in the New Testament as well.

Throughout Matthew and Luke in the New Testament the angels are identified as having organised the virgin birth of Christ. In Luke 1 Verse 26 (NIV) it states;

"In the sixth month, God sent the angel Gabriel to Nazareth, a town in Galilee, to a virgin pledged to be married to a man named Joseph, a descendent of David. The virgin's name was Mary. The angel went to her and said, 'Greetings, you who are highly favoured! The Lord is with you.' Mary was greatly troubled at his words and wondered what kind of greetings this might be. But the angel said to her, 'Do not be afraid, Mary, you have found favour with God. You will be with child and give birth to a son, and you are to give him the name Je-

sus.....' 'How will this be,' Mary asked the angel, 'since I am a virgin?'. The angel answered, 'The holy spirit will come upon you....' "

It appears Jesus was conceived by in-vitro fertilisation, as was John the Baptist (Luke 1).

The star the wise men followed to Bethlehem has to be a flying saucer. Consider the facts. Matthew 2 verse 9 (NIV) states;

"After they (the wise men) had heard the king, they went on their way, and the star they had seen in the east went ahead of them until it stopped over the place where the child (Jesus) was."

How could a star, comet or planet such as Jupiter or Saturn behave in such a manner. Planets and stars do not stop over a building. The "star" Matthew is referring to is obviously controlled by an intelligent source, and that has to be the angels, or aliens as we call them, and the "star" has to be some form of flying saucer.

The "star" was able to move slowly for the wise men, who were probably travelling on foot or donkey, to follow. The "star" then hovered over the stable where Jesus was born.

If we were asked to describe such an event in biblical times, we would also describe it as a "star". Any other term would not be part of the vocabulary. However it was obviously more than a heavenly star, it was a flying saucer.

Why would anyone make up a story about a moving star that

was able to be followed and then hovered over a stable? If it were not true it would only discredit the writer's message.

So angels had a major part in the Christian religion. It must have been they who controlled the "star" that identified the location of the new born Jesus.

Rev Dr Barry H Downing has written an excellent book titled "The Bible And Flying Saucers". When he wrote the book in 1973 he was Pastor of Northminister Presbyterian Church, Endwell, New York. He received a B.A. degree from Hartwick College where he majored in physics, a B.D. degree from Princeton Theological College and a PhD from the University of Edinburgh, New College where he specialised in the relation between science and religion.

In the forward to the British edition of his book Rev Dr Downing states;

" I am more convinced than ever that the Biblical faith was strongly influenced by, if not deliberately caused by, beings from another world, wherever and whatever that world may be."[3]

On page P52 he says " If flying saucers do exist, ... then I dare to say that the course of theology may be radically changed. If flying saucers do not exist, then much theology will probably continue its present course which leads down the road to the death of God."

The Greeks and Romans also record descriptions of "phantom chariots", and "flying shields"[4] in the sky.

Flying saucer sightings have been recorded since these earliest civilisations from every continent. These recorded sightings share common features and observations, from witnesses that cut across all educational, cultural and religious lines.

We should all be very grateful to those who have had the courage to express their views. Their experiences have encouraged me to examine the physics of the motion of flying saucers and to identify a new set of hypotheses that explain their motion. It has been a trying, but rewarding experience with revolutionary outcomes, that I believe show that our current understanding of physics, technology and even the universe itself is primitive and grossly flawed.

The journey I will take you on is far more intriguing and involved than the physics of a flying saucer. Once an understanding of gravity is achieved then a whole new world of exciting theories evolve. They lead along the path of star wars, unified field theories, intergalactic travel and even a different understanding of the Earth's history and theology.

Like all technologies there are enormous dangers. However, the potential of this physics if used wisely, has enormous advantages in developing exciting new technologies to eliminate the use of fossil fuels with clean energy, control of the weather, the development of new materials and elimination of toxic products.

To handle these new technologies we also will have to develop a new understanding of how we deal with each other, and with other people and nations.

Chapter 2

The Early Astronomers

Let us begin with the early astronomers' theories.

Up until the time of the Renaissance and astronomer Nicholas Copernicus (1473-1543), the universally accepted belief was that the Earth was stationary at the centre of the universe and the Sun and planets moved with the compounded affect of small epicycles inside larger circles around the Earth. This was an obvious explanation. The Sun and planets crossed the sky each evening and their observed motion fitted the explanation put forward by Ptolemy.

The philosophy behind this explanation was that what is seen by the observer is an accurate version in determining nature's actual structure. It should not be mocked because this is the basis of many of our current laws of physics and is still a problem in our current thinking, as I will explain later.

Copernicus, however, proposed that the Sun was stationary and that it was the centre of the motion of the planets. This was a very revolutionary way of understanding nature. It required the observer to consider the physics of the universe

from another position, other than his own, in space, namely that of the Sun. Most astronomers of the day considered his ideas hypothetical and without any claim for accepted reality.

It was the following century from 1600 to 1618 that Johannes Kepler developed his three laws of planetary motion by expanding on the observations of the astronomer Tycho and concluded that the planets orbit the Sun, not in circles as predicted by Copernicus, but in elliptical orbits. His other two laws were also based on observations of planetary motion. His views were still not widely accepted.

It is fascinating today that with the thousands of credible observations of flying saucers to date, few professional scientists have considered the physics of a flying saucer and even fewer governments or universities are prepared to consider such research. In fact the subject is put in the same category by them as witchcraft and astrology. It should only have taken one credible sighting to warrant a major research program. Of course this leads to the obvious conclusion that research programs are occurring and that there is a major cover-up.

Surely if flying saucers exist, then an understanding of the physics of their motion must be critical to our technological development. It must also be obvious that this new physics must satisfy the physics of the motion of the planets and that the current physics used to explain planetary motion has shortcomings.

Galileo Galilei (1564-1642) was famous for his pioneering telescope, and his observations of the moons of Jupiter and his conclusion that all objects fall at the same rate in a gravi-

tational field. His support for the Sun-centred theory of Copernicus was not accepted by the Church and other intellectuals of the day. He was tried by the Inquisition, found guilty, and spent the latter part of his life under house arrest. His sentence was considered light. Many others with the same view were burnt at the stake.

Before we condemn the authorities in Galileo's time, we should first examine the mind set of humans in authoritative positions regardless of the time. There is a major cover-up in our own time on UFO's. It has not only involved 'negative marketing' on the subject by Government agencies, but there have been a number of scientists and others working in sensitive areas of physics involving astrophysics, astronomy, electronics and communications who have had unfortunate and unexplained deaths. There was a group of 19 scientists in Britain, the USA and Australia who have had unexplained deaths, and then there are numerous and blatant cover-ups involving such agencies as NASA and their Mars probes concerning the "Face On Mars", for example, that leave an air of suspicion concerning bureaucrats everywhere.

A *Pending Patent (see Appendix) I recently submitted to the patent authorities in Australia, involves ten inventions for machines in gravitational, electric and magnetic fields. It was confiscated by the Australian Defence Department and the Australian Safeguards Office on application to the patent office and held for two months. The pending patent comprised the physics of flying saucers and other applications using the Unified Field Theory and 6 dimensional space time. If there is no cover-up, why all the interest?

Many people know that the cover-up extends to well above

top secret in the USA and Britain. A former General in the Soviet Union has confided with acquaintances of mine that the knowledge of "flying saucers" was the major reason for the disintegration of the communist system in his country. He claimed the game they were playing in military technology with the USA was futile, costly, dangerous and irrelevant when compared to the knowledge they know exists with "flying saucers" and their makers.

The next major discoverer involving the physics of gravity after Galileo was Isaac Newton who, in 1679, on the insistence of Edmond Halley, developed his famous Laws of Motions. These laws were the result of analysing the laws of planetary motion discovered by Kepler, and assumed that the planets were held in place by a force due to gravity which emanates from the Sun and all matter.

And so it is today that Newton's Laws are used universally to design bridges and skyscrapers, to determine the motion of the spaceshuttle in orbit around the Earth and to send spacecraft to Mars and Pluto. For the vast majority of practical applications where laws of motion are required by engineers, Newtonian physics appears completely satisfactory. They are the laws that appear to be occurring to the observer (ourselves) *on* other objects. It requires the thinking of Copernicus in relation to laws of motion for us to begin to understand the physics of a flying saucer. In other words, what appears to be the forces acting on another mass or nuclear particle may not be the reality to that mass or particle.

My introduction has purposely not included Einstein, because his Theories of Special and General Relativity are part of my journey of revelation.

Astronomy

My interest in astronomy commenced one fine Saturday morning about 12 years ago, when I noticed an add in the Telegraph in Sydney for a telescope. On inquiring, the seller wanted $120. It seemed like a good buy. I bundled the family into the car and headed to the other side of Sydney. The telescope had belonged to a deceased estate and was dissembled and in a large wooden box. I bought it, and over the following weeks and months spent whatever spare time I had cleaning, assembling, focusing and observing the heavens. It went with us everywhere, even to our beach house.

Saturn is a fascinating planet to observe through a telescope, especially for the first time. It looks like a toy made from a ball inside a ring without any support and suspended in the sky as if put there by a magician. It is surrounded by a sea of brighter, twinkling stars which turn out to have little form other than being point dots of light. It has an air of tranquillity, a presence of beauty and perfection, as well as being awesome in complexity.

Jupiter is like a mini solar system. Through the telescope we could see 4,5 and sometimes 6 moons. It is a bright planet, little wonder that Galileo, after observing Jupiter, was so convinced that all heavenly bodies did not rotate around the Earth.

And then there is the Moon, this sole mate of the Earth. It has so much character. It glides across the sky with a silent elegance and beauty and yet through a telescope it has the battle scars of a career rugby player. Its craters tell a history of cosmic collisions of massive proportions and yet it remains

suspended in the heavens without the slightest need of any help.

And so it was one clear night when Saturn, Jupiter and the Moon were on show that I sat back from my telescope on the front lawn after observing them and I thought to myself " ..... These planets move with so much harmony..... whether it's Saturn or Jupiter or the Moon. To say they are held in place by a massive force due to gravity and countered by a centrifugal force due to their circular motion.... it's hard to accept... Maybe there are no forces acting on the planets to keep them in place. Why would Nature make a universe where everything was held in place with massive forces. But how could it be so? Newtonian physics has stood the test of time.....if there are no forces on the planets .... then gravity is not a force .....centrifugal forces are also not forces..... ?????'

The questions went on and on....I thought about it day and night. I would wake in my sleep thinking about it .....the question was how could it be so?

Engineers are considered practical people, especially those who have studied and practised civil engineering. To them Newton is God, and Newtonian physics is carved in stone. His laws of physics have stood the test of time. They are the foundation of engineering thought. To question their authenticity is akin to questioning a religion's fundamental beliefs. To say that Newton's Laws are based on incorrect assumptions and that there are no forces acting on the planets and that gravity is not a force, is not acceptable to most engineers. But this is what I was proposing.

If gravity is not a force, then what is it?

Fortunately my understanding of Einsteinian physics was limited. In Engineering at Sydney University, which I had studied thirty years ago, Einsteinian physics was only mentioned in our final second year physics lecture. Special Relativity was briefly discussed and the formula for the change in time on a mass travelling near the speed of light was covered. General Relativity was mentioned in one sentence as another theory on gravity, but dismissed as being impractical for our use and not relevant for common applications encounted by engineers.

1 say it was "fortunate" that General Relativity was not in the physics theory covered in my engineering degree because I may have accepted it as the final answer to gravitational fields and not continued on the journey I am taking you on. General Relativity is very complex and theoretical and has frightened too many thinkers away.

So when I began my lateral thought process, I had a scant knowledge that a mass changes its rate of time relative to a stationary body when it increases its velocity, and it was from this premise that my hypothesis evolved.

I decided to study the relationship between the Earth and the Moon. The difference between them appeared only to be the Moon's relative velocity to the Earth. As a result of the motion of the Moon and its location relative to the Earth, somehow the Moon then developed a circular motion about the Earth.

I began reading books on Einsteinian physics to try and develop the next stage in my thought process. I started from the obvious and that being the difference between the Moon's

orbit and the Earth's orbit around the Sun was the relative motion of the Moon around the Earth, and that obviously created a time change on the particles of the Moon relative to those on the Earth. But what about the Earth! How did the Earth have an effect on the Moon?

Some books were very informative, like Nigel Calder's "Einstein's Universe", and others became embroiled in complex mathematics of four dimensional space-time. My view was that the equations of motion had to be simple, like Newtonian physics. Newtonian physics is not four dimensional, it's simple and easily understood. It basically uses one dimensional space and the concept of force.

It became obvious that an understanding of time was necessary to have an understanding of the laws of motion. So what is time?

We all know how to tell the time. We experience the passing of an hour, a day, a year, a life time. But what about the rate of time?

The rate of time varies throughout the universe. That does not mean that a second is longer or shorter to people at different locations, it means that relative to another point in space the rate of time is different. For example, as an object approaches a mass like the Earth its rate of time slows down. Also the rate of time slows down as a mass increases its velocity.

The [5]US Navy and Carroll Alley from the University of Maryland demonstrated in September 1975 and January 1976 over Chesapeake Bay how time changes. They showed that

the rate of time of a clock can change by synchronising a number of atomic clocks at the surface of the Earth and carrying out various experiments. Some of the clocks were retained as a reference, others were taken to different altitudes above the Earth and others flown at varying speeds. They proved using the clocks that a mass increases its rate of time as it moves away from the Earth and that it reduces its rate of time as its velocity increases.

Although the Chesapeake Bay Experiment was hailed as verifying Einstein's General Theory of Relativity, I did not see it that way. I was looking for experiments and literature that outlined how the Earth was creating some change in the cosmos that balanced the motion due to the Moon. My conclusion was time change.

I decided to postulate the theory that the Earth's gravitational field was a variable time-field and that the change in time of the Earth's gravitational time-field at the radius of the Moon balances the time change on the particles of the Moon due to its motion. There was no force due to gravity from the Earth and no centrifugal force to balance any gravitational force. The Moon stayed in its orbit because of the harmony of time.

1 put this together, along with a bunch of formulae, and made an appointment to see an Associate Professor in Applied Mathematics at my old university. I thought I would be blown out of the water when I suggested the planets had no forces acting on them. To my utter surprise he agreed. When I asked why I had been taught that there were forces holding

the planets and other heavenly bodies in place his reply with a smile was "It's all theory. Accepting that no forces are acting on the planets, appears to give the most accurate results. Einsteinian physics assumes there are no forces on the planets, they move with the persuasion of 4 dimensional space-time. The concept of gravitational and centrifugal forces acting on the planets leads to Newtonian physics and this makes applied maths simple to teach engineers".

I then spent a brief time going through my theory. Without finding anything wrong with the logic and mathematics, he concluded however that I was wrong because the change of time on the Moon from Einsteinian physics was twice what I had predicted.

Well an engineer is not stopped by a simple factor of two. On my way home in the car I realised where the factor of two came in. If the Moon was stationary at its current radius then it would have a time change "dt" due to the Earth's gravitational field. If it then increased its velocity to balance that time change it must have a total time change of "2dt".

I could not understand why my theory was so readily rejected. It wasn't the factor of two that was of concern, it was how readily the hypothesis was dismissed because of the factor of two. Obviously Einsteinian physics was now gospel and any excuse to reject other hypotheses was found. Maybe people were continually coming up with misplaced hypotheses and he had more important work to do.

The Professor's reason for so readily dismissing my hypothe-

sis reminded me of a joke.

There was once a mathematician who had a beautiful daughter and decided he wanted to keep her virtuous. So he devised a 'mathematical condition' for potential suitors to see her. The condition was basically that whatever the distance between the suitor and the daughter, the suitor could never come closer than halfway on each successive move towards the daughter.

The first suitor to ask the daughter out was a young lawyer. When he called to see the daughter, the father outlined the conditions. The mathematics for the lawyer was too complex so he decided to explore other pastures. The second suitor was a young scientist. He analysed the mathematics and came to the conclusion it was an impossibility to reach the daughter. No matter how close he came to the daughter, he concluded, the distance could always be divided by two and it was impossible therefore to reach her. He gave up without trying. The father was very pleased, his daughter was safe.

Then came the third suitor, a young engineer. He analysed the problem and decided to take on the challenge. He halved the first distance, then halved the distance left, then halved the remaining distance and did the same a half dozen more times.... and then concluded that he was close enough for all practical purposes.

A solution had been found to the amazement of the father.

The experience of each stage of any journey is always the important part of a trip and so it was with this journey in physics. The exciting part was determining where it could lead to. Most trips are planned and the end destination is known. Some hypotheses in physics end at the beginning, others are a fascinating venture. This was beginning to be the latter. It will be up to others to judge its merit.

I had made several major breakthroughs in my understanding of the motion of the planets in that it was currently acceptable in academic circles, albeit within the Theory of General Relativity and 4 dimensional space-time, that no forces act on the planets. It also appeared, again in my opinion, that my analysis of using "time" in a linear concept similar to the way "force" is used in Newtonian Physics had some foundation. And I think the other major breakthrough was being prepared to question theories that are taught at school and university as though they are absolute.

Chapter 3

The Concept of Time

The concept of "time" is often difficult to grasp. Although it is associated with our understanding of time on a clock, this is an outward measurement. Time is related to motion.

Consider a journey in an aeroplane. As the aircraft increases its velocity, an acceleration is felt until a constant speed is reached. Once the craft reaches a constant velocity it is possible to remove the seat belt and walk around the cabin as if stationary on the ground. Only if there is turbulence, a change in the direction of motion of the plane, or a window to view passing clouds, is it realised that the plane is not stationary on the ground. The passengers and the plane have changed their velocity and in so doing, their unit of time. All else is the same.

Consider also a raft floating down a uniformly flowing river. If the river has a constant velocity then the raft travels with the same velocity. The raft requires no motor to stay with the flow. No force is required for any floating debris to stay with the flow. The raft reaches a constant velocity and maintains it. In others words the raft and its occupants reach a constant time change

and no force is required to maintain that time change.

The river is not a force field to the raft, it is a constant velocity field, or in time physics, a constant time field. The particles making up the river are all travelling at a constant time. The raft is in the field and requires no force to maintain its velocity.

It may appear to an observer on the bank of the river that the raft is being carried down the river and is therefore being pushed down by a force, but to the raft no force is required. Someone falling out of the raft would be carried down the river along with the raft. Rubbish thrown out of the raft would travel with the raft.

If the occupants of the raft decide to stop in the flow of the river by tying up to an old tree stump, then a force is required between the stump and the raft via a rope to prevent the raft moving in the river. So a force is required to stop the raft in the river, not to keep it moving with the flow.

If the raft on its voyage down the river starts going over some rapids, it, along with the water in the river begin to accelerate. Again the occupants feel no force. They naturally go with the flow.

Consider now a capsule falling freely, without air friction being considered, towards the Earth. An observer on the Earth's surface considers the capsule to be under the influence of a force because it is accelerating at 'g' m/sec/sec. However an occupant of the capsule experiences no forces and is weightless. Any unrestrained water bubbles in the capsule form perfect spheres and float in the capsule. Only when the

occupant of the capsule looks out of the window and observes the Earth rushing up towards him does he realise he is accelerating towards the Earth.

So what is happening to the capsule and its contents? They are falling through a variable time field which we call the gravitational field.

To say that the capsule has a force acting on it equal to its mass times the gravitational acceleration, as in Newtonian physics, is incorrect. The occupant feels no force.

Physics formulae should satisfy both the observer and the object. In the case of the falling capsule, the occupant feels no forces on him, but the observer on the ground says there is a force because the capsule is accelerating towards him. However it is the observer on the ground who is like the observer on the stationary raft, in our previous example, where the raft is tied to the tree stump in the flowing river and watching another raft pass him. The observer has the force acting on him, not the falling capsule, and that force is the Earth's surface acting on his feet.

The fact is that gravity is like a flowing river of variable time. An object falling freely in a gravitational field has no force acting on it. Only when the object is stopped in the field, as we are on the surface of the Earth, does a force act, and that is what gives us sore feet if we are standing up for too long, and a sore rear if we are sitting down for too long.

It should also be noted that Newton himself wisely stated that his Laws of Gravitation assume that "time" is a constant throughout the universe. We now know that that is an incor-

rect assumption. His Laws effectively replace "a variable time field" with a force which gives an adequate explanation, in most cases.

If we apply Newton's Laws to stationary objects on the Earth's surface, then an object receiving a force and an observer watching the event, both express similar views as to what has happened and such events satisfy the theory.

However this is not so for objects falling through gravitational fields. Therefore there must be a more adequate explanation.

Dimensions

Consider the hypothesis that there are various types of dimensions such as time, space, feelings, sound etc. and that these dimensions can be considered separately or in conjunction with each other. Within these dimensions there are sub-dimensions. In the dimension of space for example we know there are sub-dimensions of a straight line, an area and a volume.

Consider the hypothesis that the physical world such as our home, our car and even ourselves, exists in the dimensions of space, and is made from, the dimension of time. That is our home, our car and even ourselves are made from the "dimension of time" which I will later explain.

We also have brains that give us the software to allow the exploration of various areas of the other dimensions from stimulations from the world around us, such as colour through

light, sound and music through the vibration of molecules, and feelings through sight, sound and touch. But the other dimensions are another journey.

I will only be considering the dimensions of space and time.

So the observed universe is made up of the various dimensions of space and time. The dimension of space is similar to an artist's blank canvas, only in three dimensions.

The various dimensions of time, as I will explain, are like the paint that the artist uses to make the picture. The various dimensions of time result in gravity, electricity, magnetism, light, matter and everything that physically exists in the space dimensions.

The dimension of space has no time dimension. It only exists if time exists. It can have infinite length in all directions. It can exist in a single dimension as a straight line, in two dimensions as an area, three dimensions as a volume and maybe it can fold up into four or more dimensions, all at an instant or for any length of time depending on the shape and form of the time dimension.

Chapter 4

The Dimensions of Time

Time is motion. Consider the hypothesis that the dimensions of time manifest themselves in the dimensions of space as tiny dots at zero time. Because time and motion are one and the same, these tiny dots are travelling at a very high speed. These dots of time travel in dimensions either in a straight line, or curl up into an area, or as a volume by the area moving, or fold up into further dimensions.

The dimensions of time have no space dimensions and the dimensions of space have no time dimensions.

The First Dimension Of Time

The first dimension of time is where the dots (or particles) of time travel in a straight line. These dots emanate from all matter and there are billions of them per square centimetre travelling continuously in all directions in our space. Most of the dots that pass through us have come from the matter of the Earth, others from the Sun and planets, and still others

from the matter in the Milky Way Galaxy and from distant galaxies.

The Earth and the Moon, apart from each other's influence, are moving in a similar sea of dots resulting from the various masses in the universe.

The effect of these dots of time from a mass like the Earth is the creation of a variable time field (and a variable space field) around the Earth. This is commonly referred to as a gravitational field, where the intensity of the field is greatest the closer one is to the mass.

I have called these tiny dots that travel in a straight line, "gravitons" because they create gravitational fields (this definition may vary from other definitions for gravitons). They pass through all matter without a blink and because they are not oscillating like an electromagnetic wave, but still exist at zero time, must travel faster than the speed of light. This will be explained later.

Because an observer on the Earth's surface is not at zero time, these tiny dots or gravitons, appear and behave to us as small strings. This is similar to a blurred picture of a fast moving object. Far out in space where the gravitational field is very weak, these tiny strings become very long strings. The very weak time fields far out in space, as a result of gravitons from all the matter elsewhere in the universe, are the gravitational influences that control the motion of the galaxies.

So where do these dots or gravitons come from?

Gravitons obviously come from all matter. If they come from

all matter then one possibility is that there is some form of decay going on, and has been for billions of years, for as long as the universe has existed. If matter is decaying to produce gravitons then there must be a weakening of the gravitational field.

If the gravitational field is weakening due to graviton emissions then the Moon should be receding from the Earth and the Earth from the Sun. Galaxies should be receding from each other due to the gravitational field weakening.

Is there an alternative explanation to matter decaying in order to produce gravitons?

It may be hypothesised that protons and neutrons in the nucleus are sieves that allow the dots of time (gravitons) from the time dimension into the space dimension. Black holes take the dots of time in their various forms such as gravitons, electricity, magnetism, light and matter out of the space dimension and back to the time dimension to be recycled again.

This is an important concept because it allows the time dimension to be accessed not only via black holes, but by mini black holes in the form of sieves through nuclear particles. This concept of accessing the time dimension with mini black holes is important. Time has no space dimension and this is useful in the understanding of space travel.

Units In The First Dimensions Of Time

Because the time dimension has no space dimension, then the velocity of a particle in 'time units' is the change in time

of the particle per second (sec/sec) relative to a standard clock at the Earth's surface. When space and time dimensions are jointly considered, which is our everyday experience, then the velocity of a particle or mass is in the units of metres per second (m/sec).

The space dimension has no time dimension and the time dimension has only particles that exist at zero time and travel at a very fast speed (a photon of light to exist at zero time has the speed of light and a graviton to exist at zero time has a speed considerably faster than light.). When the space and time dimensions overlap, as they do in a gravitational field, then the unit of time varies from zero to infinitely large depending on the structure of the graviton field. It varies between being infinitely large, (zero time) as in a black hole or a graviton, to being very small and passing infinitely quickly, as it does far out in space where there are far fewer gravitons.

The Second Dimension Of Time

The second dimension of time occurs when these tiny dots spin and oscillate in an area at high speed (zero time) at subatomic particle size. These tiny areas of 2 dimensional time manifest themselves as the electric field. Their spin produces a static 2 dimensional time field and the spin direction determines what is called its "positive or negative charge". **The units of time being, sec^2/sec.**

The Third Dimension Of Time

The third dimension of time is when the second dimension of time moves relative to an observer, in other words it is a moving circular area of time. This third dimension is a volume of time and manifests itself as a magnetic field (moving electric field). Again it has a "positive and negative charge" depending on spin, and **the units of time being sec^3/sec.**

The Fourth Dimension Of Time

When a dot travels in a straight line it develops the first dimension of time. When it spins or oscillates in a plane it develops the second dimension of time. When it spins or oscillates in a plane and travels in a straight line at right angles to the first plane it has three dimensions of time (photon). When a dot of time spins or oscillates in one plane and then spins or oscillates in another plane at right angles to the first plane, it is moving about a point in three dimensions, and depending on the rate of oscillations or spins, it develops various nuclear particles. The higher the vibrations the smaller the particle.

Higher Dimensions Of Time

When a dot of time travels in three dimensions about a point as outlined above, it has to oscillate about that point. Fifth and other dimensions can be created by the motion of this point.

Forces In Nature

It has been discussed earlier that the "force fields" in nature are in fact time fields. It is interesting that the various fields are currently referred to as force fields and that their action is described as "gravitational forces", "electric forces", "magnetic forces" and "nuclear forces". They are not forces but only appear as forces because the observer is in a different unit of time or a different dimension of time to the observed field.

Chapter 5

Gravitons and Flying Saucers

*G*ravitons have been defined as dots of time in the first dimension that are generated from all matter and travel through all matter and are difficult to detect. They would appear to us as small strings because we exist at a finite time change. When gravitons enter the space dimension they cause it to exist for a finite time adjacent to their path. Because there are billions of gravitons travelling in all directions around us, space exists continuously.

The formation of gravitational fields is generally from heavenly bodies that are spherical in shape, like the Earth, and so the graviton field is radiating from these heavenly bodies. These radiating gravitons produce "shells of equal time" around heavenly masses like the Earth. These "shells of equal time" have been confirmed in the US Navy's experiments when atomic clocks were taken to various altitudes and their rates of time were compared to that of standard

atomic clocks on Earth.

Gravitons radiate from matter in a stream and interact with and open up a volume of the space dimension. If we travelled on a graviton our unit of time would be infinitely long and the distance travelled would be zero, although the distance travelled by the graviton to an observer may be thousands of light years.

A continuous graviton stream causes the space adjacent to its path to exist open for the period of time of the graviton stream and causes the space along the graviton path to be reduced.

When billions of atoms form a mass such as the Earth and each atom radiates a stream of gravitons, similar to a stream of photons developing light rays, then billions of single dimensional graviton paths are generated and these interact with the existing three dimensional space field. This results in what we call a gravitational field.

These streams of gravitons from a mass are random. They reduce the space along their path and develop a radiating time field.

The reduced space along these randomly radiating graviton streams produce a varying space field.

The varying time field from the gravitons also allows the space between the graviton streams to exist continuously.

A single graviton generates a small packet (or particle) of zero time and zero length. It also opens up a small pocket of

space adjacent to its path. A stream of continuous gravitons in a straight or curved line (the curved line occurs when a body like the Earth is rotating), produces a straight or curved line in the space dimension of zero time and zero length.

When billions of streams of gravitons radiate in a random manner from the billions of atoms that make up a mass like the Earth, then overlapping space and time fields develop which we call a gravitational field.

So a gravitational field is not merely a 4 dimensional space-time field. It is a single dimension of time influencing the 3 space dimensions in the vicinity of a graviton stream and then this occurs billions of times in the 3 dimensions of space.

It is interesting that the gravitational field acts in the opposite direction to the motion of the gravitons and is dependent on the structure of the graviton field and not the direction of the gravitons themselves.

To say that a gravitational field is a 4 dimensional space time field infers that the 3 dimensions of space and the dimension of time are inseparable, that they can't exist without the four dimensions wrapped up together. This is what Einsteinian physicists believe. They believe all 4 dimensions, one of time and three of space are wound around each other in a form of inseparable 4 dimensional fabric. This is where I disagree.

Gravitational fields are only a specific type of time field. I will deal with other time fields such as those created by spinning discs, and how they form, in more detail shortly.

This is not to say that General Relativity does not give viable

answers. It is however very complex and has very limited practical use. It has tied the first dimension of time and the 3 dimensions of space together. It will give a correct solution to a problem that involves the overlapping of both the space dimension and the time dimension, but it is incorrect to be insistent that the space and time dimensions cannot be considered separately.

General Relativity, it appears, can be considered as an extension of the analysis of a graviton using Special Relativity for a single dimensional particle, and then extended over 3 dimensions of space. Even if 4 dimensional space-time was determined by the direction of motion of the gravitons, which it is not, it is still not a justification to cast in stone, as the Einsteinian physicists do, that in a gravitational field, space and time are inseparable. It is no more valid than to state that a straight line, a single dimension of space, cannot be independently analysed and separated from a volume, which is 3 dimensional space. It is done every day when a child draws a line with a ruler.

However it is also interesting that Newtonian Physics gives viable answers to planetary motion in most cases although it is based on the incorrect assumptions that time and space are constant throughout the universe.

Gravitational Fields

To understand the gravitational field it is necessary to have a theory on how nature develops the gravitational field and then to check this with the observed facts. It is only a part of the journey of discovery to rely on observations as has oc-

curred with Kepler and Newton. We have to ask the question often put by Prof Julius Sumner-Miller "Why is it so?"

Gravitons in this hypothesis are the creators of gravitational fields and their radiating intensity from a heavenly body creates a variable time field (and a varying space field) that we call gravity.

Gravitons acting in three dimensions of space around a heavenly body also create a varying space field. This varying space field is only negligible in gravitational fields as weak as that of the Earths and need not be considered. More importantly it is the varying time field that causes motion, not the varying space field.

Forces On A Flying Saucer And Its Occupants

There is an important point in our discussion so far in relation to flying saucers and it involves forces. Gravitational fields are not force fields and no force acts on an unrestrained mass in a variable time field.

An artificial variable time field generated by a flying saucer to change its direction will therefore exert no force on the pilot or the craft, so long as they are in the field, as they change their direction to accommodate the new gravitational field. This allows high speed manoeuvring with light weight craft and **no "g" forces on the occupants of the flying saucer.**

When a force is used to change the direction of a craft in a gravitational field, as with a phantom jet or a mig fighter,

then massive "g" forces occur on the pilot and the plane. Although the pilot may have on a gravity suit, he and his craft are unable to take more than 6 or 8 "gs" and this limits the manoeuvrability and design of present day jet fighters.

However flying saucers out-manoeuvre fighter planes with the equivalent of 100 or 200 "gs" and this helps explain the cover-up by Governments and military authorities in relation to flying saucers. There is no wonder they have a cover-up. The flying saucers have a superior technology and the authorities are worried. They out-manoeuvre our best fighter planes, they have caused pilots to die trying to chase them and everyone wants to know the technology! Well read on!

Propulsion System Of Flying Saucers

Investigations by experts at the sighting locations of flying saucers identify no chemical propulsion system such as rocket fuel or fuel from combustion engines. There are no Geiger counter readings from nuclear radiation bi-products if fission of uranium or plutonium were used. However there is often a small background reading of magnetic radiation.

Often the car headlights fail and engines stop, but this is more likely a part of the field around the craft, than a cause of the propulsion system. So the propulsion system must be related to the intelligence controlling the flying saucers having a better understanding of the laws of physics than we do.

The aliens flying the saucers appear not to be subject to the massive "g" forces our pilots experience. It is therefore a high probability that they exist in an anti-gravitational field along

with the flying saucer.

The propulsion system is very likely a time field and not a force field, such as rocket or jet propulsion, that our fighter pilots use to manoeuvre their craft.

Let us look at different types of time fields.

A Spinning Disc

As a young boy I had a friend whose mother was a checkout lady for a supermarket. Sweet manufacturers would offer free tickets on rides at Luna Park in Sydney with purchases of their lolly bags. His mother would collect bags of tickets from customers not wanting them. In those days you needed a ticket for each ride at Luna Park. My friend and I went for a swim at the Olympic Pool at North Sydney and then spent the afternoon at Luna Park. What a day! We rode on every event a dozen times until we had had enough.

At Luna Park there was a large building with a range of fun things to do called Conney Island. One of the attractions was a large, smooth disc. We would jump on the disc and it would begin to spin. Those on the disc, except for the one sitting in the centre, would be spun off.

In my early days of thinking about this physics, before Luna Park was closed due to an accident on the Ghost Train, I went back to Conney Island and watched the children on the spinning disc.

As the disc began to spin, those sitting on it slid off. But there

were some interesting observations:
1. Whatever it was that made those sitting on the disc slide off, it had the same effect as a gravitational field.
2. As the children on the smooth disc were sliding off, and while still on the disc, their clothes were not being pulled, as would happen if forced. Only when they hit the stationary floor was there no uniform motion.
3. The children furthest from the centre of the disc were the first to begin to slide.
4. The children moved in a direction at right angles to the motion of the disc.

We know from Special Relativity that the change in time on a particle is related to the speed of the particle (in fact it is proportional to the square of the speed of the particle, as will be seen later).

Newtonian physics says that a force acts on a mass fixed to a spinning object and this is correct if the object is fixed. It also states that the acceleration acts radially and is proportional to the velocity squared, and inversely proportional to the radius.

Now if an object is free to move on the surface of a spinning disc, what is happening?

The spinning disc and the people spinning on it create a variable time field. The particles that make up the people on the moving disc have created because of their motion, a varying time field, and this is the same as a gravitational field. The children are "falling" sideways, in a similar way to falling in a gravitational field.

The spinning disc can therefore be considered a "variable time field" or an "artificial gravitational field". It has concentric circles of time with the intensity of the time field increasing away from the centre. The time field and the motion that results from the field on a mass is not related to any space change and that is why the space and time dimensions can be separated as previously discussed in gravitational fields.

The spinning disc creates a very interesting time field because of the way it is formed. The direction of motion of an unrestrained mass in this field is at right angles to the motion of the particles that make up the disc. So the direction of motion of a mass in a variable time field is not determined by the direction of the particles that make up the time field, but the direction of the intensity of the time field.

In the Earth's gravitational field the gravitons are travelling away from the Earth, but a mass falls towards the Earth's centre because that is the direction of the intensity of the time field. With a rotating disc an unrestrained mass falls at right angles to the disc's motion and away from its centre because that is the direction of the intensity of the time field.

The direction of motion of the gravitons in the case of the Earth and the direction of motion of the mass on the disc are irrelevant. The change in the space dimension in both cases is also irrelevant. **What is relevant to the motion of an unrestrained object is the time field created and its direction of intensity.**

If gravitons travelled along the same path, but in the oppo-

site direction towards the centre of the Earth, then the same gravitational time field would result.

Alternatively, the same density of gravitons could travel in shells around the Earth and the same gravitational field would result. (There would be a slight variation in the space field, but this is negligible).

With a different configuration of gravitons, a time field can be created where a mass falls away from the centre of the Earth, as a mass does on a rotating disc, or alternatively it can freely move in any direction depending on the intensity of the time field.

So Einstein's Theory Of General Relativity is a mathematical explanation of the overlapping space and time fields that develop as a result of the configuration of the graviton field in 3 dimensions of space. It may give adequate answers but in no way is it written in stone that the 4 dimensions of space-time are inseparable.

Flying Saucers

Now flying saucers act in interesting ways. They can hover and travel at low speed. They can travel at great speed. They can manoeuvre freely and perform any type of aerobatics at great speed. They appear to have no "g forces" acting on them. They can disappear. They are silent. They defy our current laws of physics. They appear to be a solid structure and controlled by some form of intelligence. There appears to be two general types, the saucer shape, and the type that looks like a long elongated football known as a "mother

ship". The "saucer shaped" crafts have been seen to fly into the large "mother ships", which are probably used as cosmic "aircraft carriers" for storage of craft, accommodation and for intergalactic flight. How do the "mother ships" travel around the cosmos? How do the mother ships remain invisible?

Before I tackle the big questions like the design of flying saucers, how they manoeuvre and disappear, and other related technologies, it is necessary to first develop the equations of motion of a mass moving in a gravitational time field, and to see that these equations satisfy reality. It needs to be shown how these equations differ to Newtonian physics. This is important because Newtonian Physics does give accurate explanations to observed phenomena.

The "time equations" for the gravitational field will be used to explain the physics of flying saucers and the reasons why they are so manoeuvrable. I will then develop "time equations" for the second dimension of time, the electric field, and then the third dimension of "time equations" for the magnetic field. Then the gravitational, electric and magnetic fields can be unified.

It will also be seen that flying saucers and their "mother ships" use **"the physics of time"** in the first dimension to manoeuvre in gravitational fields, and the advanced third dimensional time physics for inter-galactic travel, and to also disappear from sight in an instant.

Einsteinian Physics

Einstein has developed his General Theory Of Relativity from

a mathematical base, using 4 dimensional space-time. He does not appear to indicate the physical reasons for his assumptions. He has chosen not to outline the natural causes for his assumption that space and time are inseparable and that gravity is an intertwined 4 dimensional field. It is however commonly accepted by Einsteinian physicists that space and time are inseparable.

Gravitons emanating from all matter may have been assumed by Einstein or he may have developed his theory from observation.

In his book "Einstein's Universe", Nigel Calder states "....one can describe gravity and the deformation of space-time in terms of mutually-interacting gravitons, and arrive at the same answers as Einstein's."

So using the assumption of gravitons does produce similar results to Einstein. Calder further states;

"....gravity waves are said to consist of gravitons ..... gravitons themselves possess energy and are therefore heavy, so they themselves are vulnerable to the action of other gravitons..... they are therefore deflected along curved tracks. This incest among the gravitons produces the curvature of space."

A question we have to ask is whether we are considering the same particle we call a graviton? It does not really matter. The graviton field which produces a gravitational field around a mass is a large number of particles travelling at zero time and radiating from the mass.

The real question is whether the space and time fields can be separated. This has been previously answered because the time field developed around a spinning disc is at right angles to the direction of motion and the same gravitational field would develop around the Earth if the gravitons were travelling towards the Earth and not away from it.

There are two problems with current laws of physics which can cause confusion. The first is that they mix up different dimensions. For example the velocity of a particle is metres/sec, when it could be expressed as the change in a sec/sec. This is a simple example but it keeps all the units in time dimensions.

The second problem is that laws of motion are based on the observer's view of what is happening, whereas it should come from that experienced by the object itself. **Often the observer is not aware of the existence of time fields between himself and the object. This leads to comments like "the force of gravity", "the centrifugal force", "the nuclear force", "the electric and magnetic forces".** If the object and not the observer is considered when developing laws of motion then such statements are inaccurate because these "forces" are time fields and not forces. This is important especially in the design of craft that have to function in these fields.

Chapter 6

The Physics of Time
Gravitational, Electric & Magnetic Fields

GRAVITATIONAL FIELDS

Consider the hypothesis that the Earth's gravitational field can be approximated to a variable time field and that the overlapping variable space field has minimal effect on the direction of motion of a mass in orbit in such a field.

Changing Space

Space is similar to the painter's canvas only in 3 dimensions. It is only present for an instant. It stays continuous when the dimension of time is present.

The graviton exits at zero time and this can be alternatively stated that it has an infinite unit of time. The space dimension along a graviton's path, whilst it is at any location, is zero in length. In other words if we were a graviton travelling from a distant galaxy we could reach any point in

the universe according to our view of the world at zero time and the distance travelled would be zero. (The observer on Earth looking at a photon of light which is travelling at zero time will not conclude the light has taken zero time, but rather light years. This is the important difference between being an observer and the object; it depends on the relative time of each, as to what is happening).

The distance between two points, say the centres of Earth and Pluto, is dependent on the number of gravitons in the space between the two points. All mass is giving out gravitons. The Sun and Earth are radiating billions of gravitons every square centimetre.

The variation in space around heavenly bodies due to the density of gravitons creates a **"space field".**

The **"space field"** variation around planets like the Earth, due to the graviton field of the Earth, is negligible. In Newtonian Physics it is considered a constant. In other words a metre on the surface of the Earth is approximately the same as a metre 5 kilometres in space.

A **"space field"** needs to be only considered in very strong gravitational fields, for example around black holes or when determining the apparent change in the position of a star when light from the star is passing the Sun during an eclipse. In the latter case both the space and time fields, resulting from the gravitons (and other particles) from the Sun, affecting the photons of light from the star, have to be considered because the motion is a linear line through variable fields of both time and space and measured to a fine accuracy.

Changing Time

Velocity is normally measured as metres per second, or kilometres per hour, as on the speedometer of a car. However it can also be measured as the change in the rate of time, or the difference it takes time to pass on a clock of a moving object to that compared to a stationary observer's clock. The clocks have to be atomic clocks because the change is very small.

So we can measure velocity by considering both space and time dimensions together, as we do on the speedo of a car, or we can measure velocity by considering the change in the rate of time to a 'standard clock' stationary at the surface of the Earth. This standard clock will run at 1 sec per sec. The change in the readings on the clocks will be small, in the order of billionths of a second per second for low velocities, and rise to 1 second per second (the clock on the moving object will not have changed) at the speed of light.

Let us assume that when a mass travels with a constant velocity "v" in a constant time field, say at the surface of the Earth, its time change (dt) is proportional to its velocity squared.

$$dt = k.v^2 \qquad \text{----------} \quad (1)$$

where k is a constant
for small values of v.

Now dt is nothing magical. It is the difference in the reading between two atomic clocks if they were both synchronised with a stationary observer and then one was

taken at a speed "v" in say a motor car, or an aeroplane or spaceshuttle. The time change is in fractions of a second / second i.e. the fraction of a second change from the initial standard stationary clock for each second that passes. When the object reaches the speed of light it will have the time change of 1 second / second (it will have a reading of zero while the standard clock will read 1 second.)

Another interesting feature with this "physics of time" is that it is not the physics of the observer as in Newtonian and Einsteinian Physics, but rather the physics of that experienced by the moving object.

In order to simplify equation (1) above,

let $dt = \tau$

where "τ" is measured in the fraction of a second per second change from the initial atomic clock reading of 1 second / second at the Earth's surface.

The time change "τ" becomes;

$$\tau = k.v^2 \qquad \text{sec / sec} \qquad \text{----------} \quad (2)$$

This is an aside for the mathematicians who have read the earlier joke about approximations. Initially we will consider the velocity "v" above for small values of "v" compared to the speed of light *"c",* velocities between zero and as fast as an orbiting space shuttle. An example of "v" could be the velocity of the young engineer in our earlier joke in a sports car with the mathematician's daughter. It is not near the speed of light. That comes later.

It is interesting that $k = 1 / (2 c^2)$ for very small values of "v" relative to the speed of light "c", and this satisfies Special Relativity and Newtonian Physics. Whereas at values of "v" near the speed of light, $k = 1 / (c^2)$ when v = c and t = l sec/ sec.

Also when a mass "m" increases its velocity "v", the energy change "E" is

$$E = \tfrac{1}{2} \; m v^2$$

for small values of "v".

For "v" approaching the velocity of light "c",

$$E = m v^2$$

as it does in

$$E = m c^2$$

Time Intensity

Time Intensity (T) of a time field, or an unrestrained mass in a time field, is the rate of change of time of the field or mass.

From (2) above $\tau = k.v^2$

$$d\tau / dt = (d\tau / dv). (dv / dt)$$

$$T = 2kva \qquad \text{----------(3)}$$

where 'a' is the relative acceleration.

In Newtonian Physics

$$F = mv^2/r \quad \text{for orbital motion}$$

In "The Physics Of Time"

$$T = k v^2 \text{ for the same motion.}$$

In Newtonian Physics when the velocity is differentiated with respect to time it gives acceleration. However in the "Physics of Time" the differential is the time intensity (T) and it becomes

$$T = d\tau/dt = 2 k v a$$

This is an important equation. The lack of understanding of the intensity of a gravitational field and the intensity required by a rocket to overcome the gravitational intensity was and still is, as we shall see, the reason for failures of rockets in the space industry costing billions of dollars.

Gravitational Time Fields

Let it also be hypothesised that the Earth's gravitational field is a variable time field where the change in time of the field (T) is proportional to the mass (M) of the Earth and inversely proportional to the distance (r) from its centre.

then $\tau = kGM/r$ ..... (4)

where k = constant as τ approaches zero

G = gravitational constant

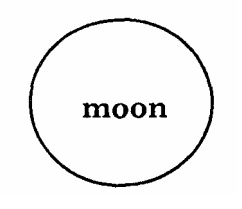
G is a constant and is related to the rate of gravitons being emitted from the mass M. In other words there is a relationship where the number of gravitons being emitted from a mass is proportional to the atomic mass of the atoms of that mass, or to be even more specific, it is proportional to the number of neutrons and protons in an atom. It could be concluded that protons and neutrons, which are basically the same in weight, except a proton is slightly lighter due to the missing mass of an electron, are the source of continuous, but random streams of gravitons.

So on the surface of the Earth we are living in a sea of gravitons emanating from the matter that makes up the mass of the Earth. This sea of particles travel through all matter and produce the variable gravitational time field.

Now let us consider orbital motion.

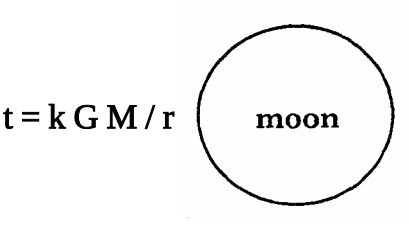
Orbital Motion

Consider a mass (m), such as a satellite, space shuttle or the Moon, in a circular orbit around the Earth (M). Newtonian physics says that there are two equal and opposite forces acting on the mass.

$F = GmM/(r^2)$ 

$F = m.v^2/r$

The Physics of Time as espoused by this book states that there are no forces acting on the mass, only the time change due to the velocity of the mass and the time change due to the gravitational time field of the Earth.



$\tau = kv$

Time is directional, and the mass (m), in the above case, the Moon, changes direction by the persuasion of the direction of the two time fields acting on the particles that make up its mass.

In equations of motion in Newtonian Physics for orbiting objects, the mass of the orbiting object (m) is on both sides of the equation. It need not be there, it is added and then taken away.

In a time field it doesn't matter about the mass of the object. All masses fall (and orbit) at the same rate. Remember Galileo, he proved this when he apparently dropped different weights off the Leaning Tower of Pisa and showed that all masses fall at the same rate in a gravitational field.

Newtonian physics has also added a force (F) when considering objects orbiting in a gravitational field. Newtonian Physics uses this approach because it has assumed there is a force due to gravity and a centrifugal force due to the circular orbit of the mass. There is no force on an unrestrained mass in either gravitational or centrifugal fields.

In Newtonian Physics forces have to be used in gravitational fields because Newton assumed there was no time change in these fields or elsewhere in the universe.

In fact a satellite orbits in a time field created by the gravitons because the effect of the two time changes on an orbiting mass, one being due to the Earth's gravitational time field and that due to its motion, cause it by persuasion to develop a circular or elliptical orbit. Forces are not present and the mass of the orbiting object is not relevant.

The astronaut can identify he is in orbit around the Earth if his atomic clock reads a constant rate of time relative to one on the surface of the Earth. If he is falling in the Earth's gravitational field or any other gravitational field, his atomic clock would show a varying time change to the standard clock on the Earth's surface.

Time Intensity

Time Intensity (T) is the rate of change of a variable time field, such as a gravitational time field.

$$T = d\tau/dt \qquad \text{---------} \qquad (5)$$

This differential is similar to the rate of change of velocity to give acceleration, but no force and no space dimension are involved. If a mass is falling through a variable time field, like the Earth's gravitational field, and assuming there is no atmosphere, otherwise there is friction with the air, it experiences no forces acting on it.

So in a gravitational time field, the time intensity of the field (T) **is;**

$$\begin{aligned} T &= d\tau/dt \\ &= (d\tau / dr).(dr / dt) \\ &= -kGM/(r^2).(dr/dt) \end{aligned}$$

(for the mathematicians, dr/dt has a non-trivial solution, but when dr/r approaches zero, then dr/dt approaches g_r, where g_r is a velocity term equal in magnitude to the value of the gravitational acceleration at radius r, for a particle falling from rest in a time of 1 second)

so $dr / dt = g_r$

(m / sec, a velocity term, when dr/r approaches zero)

and $g = GM/(r^2)$

and therefore $T = - k\, g.g_r$

(with one of the "g"s a velocity term)

The time intensity (T) for a mass falling in a gravitational field

$$\begin{aligned} T &= d\tau/dt \\ &= (d\tau/dr).(dr/dt) \end{aligned}$$

$d\tau/dr$ is the change in the time with respect to the radius and this

is k.g (sec/sec/m). dr/dt is the change in the radius with respect to time and this is "g_r" m/sec, for small values of dr/r, and it is a velocity term (m / sec).

$$T = k.g.g_r \qquad \text{sec/sec/sec}$$

So the time intensity of a mass falling in a gravitational field from rest is the same as the time intensity of the gravitational field.

Orbital Motion And Time Intensity

The time intensity of a mass in orbit due to its velocity around a planet balances, and is opposite to, the time intensity of the gravitational field being experienced by the orbiting body.

A body that comes under the influence of a gravitational field, like the Earth's, creates a time intensity equal to and opposite to the intensity of the gravitational field because of the changed direction of the motion of the body.

However the orbiting body feels no force. It has experienced a time change due to the time field of the planet which has persuasively altered its straight line path to a curved path, and this is balanced by the time change created by its velocity.

The only change, besides the time change due to the gravitational field, has been the persuasion of the intensity of the gravitational field to change the direction of motion of the orbiting mass to a curved or elliptical path to make the time intensities balance. If the gravitational field was removed, the

orbiting body would move at a tangent to its circular or elliptical path.

Time intensity is not a force, it is an indication of the rate of change of a time field.

A mass develops its own time intensity to overcome the intensity of a gravitational field by changing its velocity and direction of motion. So an object falling vertically or as a trajectory with a curved path, increases its velocity to correspond with the time intensity (the rate of change of time in the field) of the gravitational time field it is falling in. This is achieved by the object increasing its velocity to correspond to the required time change in the gravitational field.

Using time field equations to describe orbital motion gives the same results in most cases (we will examine several exceptions later) as Newtonian physics. However they assume no forces acting on the orbiting object and the equations satisfy both the observer on the ground (who must realise that there is a varying time field between himself and the object) and the object in orbit as to what they see and feel respectively.

This concept of no forces is critical for our later discussion on the physics of a flying saucer.

In the "Physics Of Time" the equations of motion for masses in gravitational fields take the physics to a higher level than Newtonian Physics. In Newtonian Physics for orbital motion the force of gravity F = mg is balanced by the centrifugal force $F = mv^2/r$. In the "Physics of Time" these two forces no longer exist and the mass of the body is irrelevant. Newto-

nian Physics does not go any further, but **the "Physics of Time" allows the Time Intensity in the radial direction to be considered and this highlights the difference between the two theories.**

Time Strength

Time Strength (S) of a body is equal to the mass (m) of the body multiplied by the time intensity (T).

$$S = \mathbf{mT} \qquad \text{----------} \quad (6)$$

The time intensity (T) of a mass is a function of its acceleration times its velocity.

The airfoil of an aeroplane wing can be analysed using the time change on the air particles due to their relative increased velocity over the top of the wing to that on the underside. It is no coincidence that Bernoulli's Equation involves a velocity squared term and his equation can therefore be expressed in "time units".

The stalling of an aircraft (the aircraft falling backwards when it comes out of a dive at slow speed) is because it is below the 'time intensity' (the critical acceleration times velocity) required to overcome the time intensity of the gravitational field. It requires both velocity and acceleration to overcome the time intensity of a gravitational field and if there is no acceleration term then the aircraft will fall like a stone.

To overcome the gravitational field when launching a rocket requires both an acceleration and a velocity (momentum).

Rockets stall if on lift-off they are given an acceleration resulting in a very low velocity. Early failures in rocketry by the US and recently by the Chinese with their Long March Missiles resulted from this oversight. Engineers have come to realise (by practical testing rather than understanding the physics of gravity) that rockets need both a thrust (momentum) and an acceleration at lift off. Rockets are now held down for a number of seconds after ignition with huge clamps until a momentum has developed. When the clamps are released the rocket has a built up momentum which gives it a velocity to overcome stalling.

Newtonian physics suggests that a force greater than $F = mg$ should result in a vertical motion of the rocket. But this is not so.

This is an example where the "Physics of Time" differs from "Newtonian Physics".

Satellites at the end of their life begin to fall out of their orbits. As they do, they re-enter the Earth's atmosphere and decelerate creating a time intensity. They then shoot across the orbit at a tangent. The same occurs with shooting stars as they enter the Earth's atmosphere.

The satellite as it fails, and the shooting star create a time intensity due to friction with the atmosphere and are able to overcome the intensity of the gravitational field and travel in a near straight line rather than a "Newtonian predicted" curved trajectory. This results in scientists and engineers rarely knowing the location where space junk will hit the Earth.

Trajectory Of A Rotating Mass During Flight

Consider the motion of a rotating ball during flight, such as a baseball, a cricket ball or even a golf ball.

Current theories have it that a ball spinning about its own axis and in flight, has a force due to gravity and a force due to the change in pressure of the air due to the motion of the ball (Bernoulli's Law). But is the change in motion of the ball due to the varying pressure of the air around the ball, or is the motion the consequence of the changing time field caused by the varying velocity of the air particles? What about the motion of spinning objects that move in a vacuum, like the motion of galaxies and planets. Is there another explanation?

The motion of a cricket ball that is bowled with a spin can be considered in Time Physics. It has 3 time fields acting on it. It has the time field of the Earth's gravitational time field, it has the time field of its forward motion relative to the air and it has the time field created by the particles of air adjacent to the ball relative to the motion of the ball. This last factor is the reason why bowlers in cricket smooth one side of a cricket ball and have the other side "rough".

The ball moves as a result of the persuasion of these time fields. If it is prevented from curving, as the wing of a plane is prevented from moving vertically because of the weight of the plane, then varying air pressures and forces result.

The direction of motion of the ball is determined by the direction of the intensity of the various time fields and their magnitudes. The varying pressure of the air particles around the ball is a result of the time field created by the air particles.

The apparent non-Newtonian motion and weight loss on the gyroscopes of Prof Laithwaite and Sandy Kidd and the complex motion of gyroscopes generally may be better explained with "time physics".

I spent many years building and developing gyroscopes. Some machines stood 2 metres tall and were controlled by complex electronics in order to achieve a particular time intensity in their motion. I began with the simple concept that time change on a mass was the only influence on the motion of an object in a time field. By creating the appropriate time change and/or time intensity on a rotating ring, for example, it could levitate in a gravitational field. This concept was not complete and it required a further development that time is also directional.

The particles of a gyroscope, for example, are influenced by their time change and by the direction of the time intensity of each time field acting on them. The time field of a rotating object on its own will not result in a weight loss, unless that weight loss is the result of a time field that has a direction of intensity opposite to that of the gravitational field.

Anti-gravity propulsion systems in flying saucers are not determined by rotating masses and gyroscopic motion.

However if gravity is a time field and not a force field then this raises some interesting questions.

Newton's First Law

Newton's first law states, "A body will remain station-

ary or travel with a constant velocity in a straight line, unless acted on by an external force."

Consider the motion of a body travelling with a constant velocity on a frictionless surface at the Earth's surface. It will travel in a straight line according to Newton's first law.

If the frictionless surface were to extend around the entire Earth, then the body could travel in a curved path indefinitely. This appears to contradict Newton's first law because the path is curved and no external force is acting to change the motion.

This law should read" A body will remain stationary or travel with a constant velocity in a straight or constant curved path, unless it changes its unit of time."

This covers a body acted on by a force, a body in orbital motion, and a body travelling around the Earth at a constant velocity on a frictionless surface at sea level.

Black Holes

When a gravitational time field begins to rotate in a circle similar to a 2 dimensional time field, it is hypothesised that it creates a 4 dimensional space time black hole. These black holes have also been hypothesised to be wormholes out of the space dimension into other universes and/or dimensions.

Small circular time fields found in electric and magnetic fields could also be conduits to other dimensions on a nuclear level. Are our brains wired via receptors to other dimensions

like emotion, colour and sound through tiny black holes?

ELECTRIC FIELDS

Electric Fields are hypothesised as 2 dimensional time fields created by dots of time spinning or oscillating in a plane. Electric fields are also not force fields, they are time fields, although they are different dimensional time fields to gravitational fields.

The Electric Field around a point charge q can be defined as follows;

$$\tau_e = k_e q / r$$

where τ_e is the time change, r is the distance from q, k_e is the electric constant and the of units τ_e are;

$$sec^2 / sec$$

Time Intensity

The time intensity of an electric field is the rate of change of the electric field.

$$T = d\tau / dt$$

$$= (d\tau / dr).(dr / dt)$$

$$= (-k_e q / r^2).(E^*)$$

$$= - k_e . E . E^*$$

- where E is the field intensity
- and E* is a velocity term equal to the magnitude of E for dr approaching zero

Alternatively

$$T = d\tau / dt$$

$$= (d\tau/dq). (dq/ dt)$$

$$= - (k / r) . i$$

k, r are constants, i is current.

MAGNETIC FIELDS

Magnetic fields are 3 dimensional time fields. They are formed when an electric field, dots of time spinning or oscillating in a plane, move relative to a stationary observer. There are no forces acting on a magnetic mass moving in a magnetic field. The time change on a particle is always proportional to the velocity squared.

$$\tau_m = k_m.qv^2/r$$

τ_m is the magnetic time change
k_m is the magnetic constant

The units of time change in the magnetic field are;

$$sec^3 / sec$$

Time Intensity

The time intensity in the magnetic field is the rate of change of the magnetic time field.

$$T_m = d\tau/dt$$

$$= (d\tau / dv) . (dv / dt)$$

$$= (k_m . 2. q . v / r) . a$$

The units of time intensity in the magnetic field are;

$$(sec^3 / sec / sec)$$

The time intensity in the magnetic field can be increased by

1) increasing the field q.v or
2) surging the existing field by "a" (dv / dt = a)

In the "Physics Of Time", the unit of time in the magnetic field is sec^3 /sec. This is similar to the change in volume/sec or cubic m/sec in space and time units of measurements.

In "The Physics Of Time" the unit of time intensity in the magnetic field (sec^3 /sec/sec) is like the rate of change in the volume of water passing a point, i.e. (volume) / sec / sec in space and time units of measurement. The unit of time in the magnetic field and the unit of time intensity are also directional, in a similar way to time fields in the first dimension of time.

Flying saucers and their mother ships appear to use gravi-

tons and the 'first dimension of time' for visible travel within gravitational fields around planets and then use the principle of developing a shell of intense, surging magnetic time field around their craft so that they can disappear and travel to other space and time co-ordinates at the speed of light. This will be further discussed later.

Time intensity in the magnetic field is also the physics used in the Philadelphia Experiment. The ship's hull had an intense, surging magnetic time field applied through and around it to develop an intense shell with a zero time field and the ship then disappeared. This experiment by the US Navy will also be discussed in more detail later.

Chapter 7

A Unified Field Theory

Unifying the gravitational, electric and magnetic fields in the dimensions of time is similar to the unification of the three dimensions of space.

The three dimensions of space are a straight line, an area and a volume. Consider the situation where each of these three dimensions was in completely different units.

Supposing a straight line was measured in feet, an area was measured in square millimetres and a volume in cubic yards.

To unify the three dimensions of space when different units are used, initially requires an equation that determines the relationship between the dimensions.

$$\text{length} \cdot \text{area} = \text{volume} \qquad \text{--------- (a)}$$

Now each dimension needs to be expressed in similar units by using different constants.

Supposing we choose the length 'L' to be metres as the common unit.

Then substituting in (a) above

$$(k_1 . L) . (k_2 . L^2) = k_3 . L^3 \quad \text{----------} \quad \text{(b)}$$

then if we choose L = **1,2,3.....**n metres, where **n** is any number of metres, then substituting in (b) above

$$\mathbf{k_1} \quad . \; k_2 \quad = \quad \mathbf{k_3}$$

The gravitational, electric and magnetic fields have been hypothesised as time fields. They develop as a result of the fields formed when dots of zero time travel in straight lines, oscillate in an area, or move in three dimensions of space, at high speed at zero time.

So the time fields of gravity, electricity and magnetism are similar to the three dimensions of space (length, area and volume), except they are formed from these tiny dots of time travelling at high speed in a straight line, an area and a volume.

Due to the separate development of the gravitational, electric and magnetic fields in physics, the units in these 3 dimensions of time are different.

For unification in the various fields we have;

(gravitational time field) times (electric time field) = magnetic time field

$$\tau_g \;.\; \tau_e = \tau_m$$

$$k_g v^2 \;.\; k_e q / r = k_m q v^2 / r$$

$$k_g \;.\; k_e = k_m \quad \ldots\ldots\ldots\ldots\ldots\ldots \text{(c)}$$

Is this so in reality ? The actual values which can be verified in most physics text books are;

$$k_g = 1 / c^2 = 1 / (3 . 10^8)^2 \qquad m^{-2} sec^2$$

$$k_e = 9 . 10^9 \qquad N.m^2 / C^2$$

$$\text{(where } N = k_g . m . sec^{-2})$$

$$k_m = 1 . 10^{-7} \qquad mk_g / C^2$$

Substituting these values in (c) above confirms the unification of the constants with known values, and the unification of the gravitational, electric and magnetic fields.

Further the above constants can also be expressed in a slightly different format found in most physics text books,

$$c^2 . \acute{e}_0 . \mu_0 = 1$$

where c is the velocity of light
e_0 is the electrostatic permittivity constant
u_o is the magnetic permeability constant,

This equation further reinforces the relationship between the constants in the three time dimensions of gravity, electricity and magnetism.

The first dimension of time can be produced with gravitons and this results in the gravitational field. The gravitons affect the space dimension, by reducing the length of space along their path and also allowing space to open up adjacent to their path. Because gravitons emanate from heavenly bodies they radiate and allow the 3 dimensions of space to remain open.

The effect of a single stream of gravitons radiating from a heavenly mass such as the Earth results in a single dimension of zero time. This stream allows a small volume of space to open up around the stream. Space having no time dimension and time having no space dimension.

If then billions of these streams of gravitons occur and radiate from a heavenly mass like the Earth, then a variable space field and an overlapping variable time field result, each with its own dimensions.

The dimensions of space are affected by gravitons. Existing space changes its dimensions when a new mass is introduced depending on the new direction and density of the gravitons from the introduced mass.

However in weak gravitational fields the changes in the length, area and volume of space is minimal and only complicates both the understanding of gravitational fields and arriving at practical answers because of the complex 4 dimensional mathematics. This is the reason Newtonian rather than Einsteinian physics is still used by engineers and physicists to determine the orbits of spacecraft. Newtonian physics assumes space is a constant and for simple orbital physics the assumption that gravity, and centrifugal affects are

forces, and that they cancel each other out, results in the correct answer.

However the assumptions in Newtonian physics that time and space are a constant throughout the universe, lead to a narrow understanding of the nature of gravity and place limitations on the design of craft that can fly in gravitational fields.

The "Physics Of Time" allows the space and time dimensions to be separated and for simple solutions to problems to be obtained, that otherwise require using complex mathematics of 4,5 and 6 dimensions. It also allows a visualisation of the physics involved.

The shortfall within Newtonian Physics that time is a constant throughout the universe and that gravity is a force, results in the inaccurate assumption that heavenly bodies are held in place by forces, such as gravitational, centrifugal and centripetal forces, and hides the fact that both velocity and acceleration are involved for a mass to overcome the intensity of a field. This can be a costly oversight for aerospace companies.

The misunderstanding in gravitational fields regarding forces also occurs in other time fields, such as electric and magnetic fields.

It is common throughout current physics thinking to consider the bonds between atoms and atomic particles as forces, for example, the electrostatic force, the nuclear force, the gravitational force, the magnetic force. These are not forces, they are dimensional time fields. They are no more a force, than

the "gravitational force" of the Earth on the Moon is not a force. As soon as they are considered forces then the real physics of what is happening slips through our fingers.

An understanding of the actual and not observed physics in all time fields is required to determine the real forces on a craft and its occupants in time fields. This is vital if we wish to appreciate the "physics of a flying saucer".

Speed Of A Graviton

The limit to the speed of a particle is when the particle develops a velocity where its unit of time is infinite. It then exists in zero time. An alternative view is that it has developed a speed to change its rate of time by 1 sec per sec compared to our standard clock.

Consider the hypothesis already discussed that nature has made a dot, or particle, that travels at a very fast speed and it exists at zero time. This particle when it radiates from matter is the basis of the gravitational field. When the dot of time spins and oscillates in a circle it is the basis of the electric field. And when the electric field moves, it is the basis of the magnetic field.

If the electromagnetic field is made up of dots of zero time that rotate and oscillate in one plane and travel at a maximum speed of light "c" in the third dimension of space, then it is probable that the dots of time have a zero time change in the other two dimensions because there are accelerations and decelerations involved.

It can therefore be concluded that the velocity of a graviton, which has been defined in this book as a dot of time in one dimension of space where there is no motion in the other two dimensions of space, is the cube of the speed of light squared.

The time that passes as a result of the speed of the fundamental particle of nature that makes up all fields and matter, is zero time. It has only one speed, that which gives it a zero time. The electromagnetic wave travels with this dot oscillating in two dimensions and travelling at the speed of light "c" in the third dimension. The electric field has little or no relative motion, the dot rotates and oscillates about an axis.

The graviton, if it is made from this fundamental particle existing at zero time and with no oscillations in other space dimensions, must have a speed of the cube of light squared.

$$R = c^6$$

where R is the speed of a graviton
c is the speed of light

This is an important concept because it demonstrates that gravitons travel at high speed so they can pass straight through all matter. They emanate from matter itself and there are billions per square centimetre in the space dimension. It probably also explains why gravity waves are so difficult to detect.

Gravitons also have an important communication function for flying saucers. The intergalactic form of communications is probably not electromagnetic radiation, such as light waves, radio waves or microwaves. Signals made from these

waves would be interfered with, bent and eliminated by the matter in the cosmos and it would be doubtful if they survived the vast distances of space.

Gravitons could be used for intergalactic communications because they travel through all matter, they probably travel at the cube of the speed of light squared, and in straighter lines than electromagnetic waves, and they would only be interfered with in exceptional circumstances.

Other Dimensions Of Time

It is hypothesised that the dots of time that make up gravitational fields, electric fields and magnetic fields, can also oscillate in three dimensions about a point and create atomic particles. Maybe they can fold up into 4 and greater dimensions of time to create more exotic particles.

Does the space dimension also follow the time dimension and fold up into similar dimensions? Current theoretical physics considers there is 1 time dimension and the rest of the dimensions, maybe 10, 20 or more, are space dimensions. The "Physics Of Time" hypothesises that there are 3 dimensions of space and that there are a number of dimensions of time, 3 of which are discussed in detail in this book. The dimensions of time reduce the space dimensions to zero as the dots of time move in those space dimensions. The space dimension therefore does not appear relevant in the study of atomic particles.

It can therefore be hypothesised that these "dots of time" in their various dimensions such as gravitational fields, electric

fields, magnetic fields, atomic particles and mass are all forms of time, except with different dimensions and having different formats in the various dimensions of space.

Gravitons. Where Do They Come From?

Consider the formula for the time field in a gravitational field caused by a mass M at distance r from the mass.

$$T = kM/r$$

$$T = d\tau/dt$$

$$= (d\tau / dM) \,.\, (dM / dt)$$

$$= (k / r).\ (dM / dt) \qquad \text{.....(a)}$$

But we know from $E = M C^2$

$$dM/dE = \text{constant}$$

and $dM/dt = (dM / dE).\ (dE / dt)$

$$= \text{const.}\ dE/dt$$

therefore $T = \text{constant.}\ (dE/dt)/r$

therefore T, the intensity of the gravitational field at a distance r from a mass M, is proportional to the decay of the mass M.

If this is the case the gravitational field intensity should have

been weakening over time due to the decay of matter from graviton emissions. If this is so then it could be a contributing factor to explain one of the reasons why the universe is expanding. Such a conclusion could be determined by the changes in the radius of the Moon's orbit around the Earth.

Other reasons for the expansion of the universe could be the reduction in the mass of stars as they radiate energy and loose mass and gravitational attraction, or it could be a change in the value of the Gravitational Constant G over time.

However if matter is not decaying, although graviton emission is taking place to form the gravitational field, then gravitons must be coming from somewhere.

The renewal of gravitons could be the result of neutrons and protons being minute wormhole/valves in space-time and acting like sieves from the time dimension, to allow streams of gravitons from the time dimension into the space dimension. This explains another reason for the existence of protons and neutrons in nature (a proton is a neutron without an electron).

Matter is swallowed into large black holes to the time dimension and comes back into the space dimension through neutrons and protons. Gravitons come from somewhere, they may come from the decay of matter, or from matter being the sieve to allow these gravitons back into the space dimension.

In the time dimension gravitons and photons experience no space dimension and time has an infinite unit. A photon of light may travel billions of kilometres and take a billion light

years to reach Earth from a distant galaxy, but to the photon itself it has taken zero time and the distance travelled is zero.

So the time dimension can exist in the space dimension and manifest itself in the space dimension as the various fields that make up gravitational fields, electric fields, magnetic fields, nuclear particles and masses.

Chapter 8

The Physics Of A Flying saucer

There are over 200 billion billion stars in the observed universe and it still appears to have no end. More powerful telescopes only expand our vision of the number of stars in the cosmos. For humans on Earth to believe that they are the only intelligence in the universe is naive. It is equivalent to those in Galileo's day believing the Earth was the centre of the universe.

It is not a case of waiting and doing nothing until someone proves that there are other intelligences in the universe, the odds are too great in favour that there is other life. It is up to us to assume that there are other forms of intelligence, that some are more advanced than we are, and that they may be visiting us with technology beyond our comprehension. It is up to those who are inquisitive to find out what they are doing. Are these aliens visiting us for purely scientific interest, or are they in control? What influence have they had in the past and what influence are they having on our lives now!

The physics I have explained can be developed into advanced engineering and technologies that can demonstrate that other intelligences have been visiting us for thousands of years. This advanced physics gives them the means to reach us. They may be amongst us. It may be they are just observing and taking research data and only influencing our development if we head for destruction. Or is it possible, unbeknown to us that we are under their control. I believe it is the latter.

Space Travel

How could aliens from other planets travel such vast distances to reach us ?

The common debunking of flying saucers and aliens is that the distances of space are too great for other intelligences to be able to reach us. The argument goes that the nearest star outside our solar system is *Alpha Centauri* which is 4 light years away, and other galaxies are up to hundreds and even billions of light years from us. Even if aliens could travel at one hundredth the speed of light, which is far faster than we currently travel, it would take 400 years one way from the nearest star *Alpha Centauri* to reach us. This is considering the motion of the craft from the observer's view and leads to an incorrect conclusion, as we have discussed earlier.

It is easier and quicker to travel from a distant star thousands of light years away from Earth, than it is for us to travel to a different continent on our own planet.

Before we consider the physics in this book and the spacecraft

that can result from it, let us determine the time it takes a craft travelling at the speed of light to reach Earth from a planet in a solar system with a star similar to *Alpha Centauri,* say, four light years from our solar system.

Consider the spacecraft conventionally powered and capable of accelerating to the speed of light 'c'.

When the spacecraft accelerates to a velocity v = .886 the speed of light (c), although the craft may not have even left its own solar system, the distance to Earth is only 2 light years away. When the craft reached a velocity of .99 c, again it can still be in its own solar system, the craft is only .4 light years from Earth and when it reaches a velocity of .9999 c the craft is only 20 light days from Earth. If the craft can travel at higher speeds the distance is compressed further. It could take only a few days with these accelerations and velocities to travel from a galaxy 2 billion light years from Earth. It depends on the rate of acceleration, deceleration, maximum velocity and the engineering of the craft.

In the "Physics Of Time", however, it is possible to instantaneously develop a zero time field around the spacecraft and reappear anywhere in the universe in zero time. If this appears impossible, consider a photon of light.

Light from a distant galaxy, say 10 billion light years from Earth takes zero time, in the time of the photon, to reach us. The distance from this galaxy to Earth as perceived and experienced by the photon of light is zero, and it reaches us in zero time. So, has the light actually travelled the 10 billion light years to Earth? Maybe it has an initial direction and subject to no interference from other time dimensions, for ex-

ample matter, it can pop out at the appropriate time and space co-ordinates with distance not being a factor and other time fields, such as matter, the only requirement to be avoided.

Others will argue that when a mass reaches a velocity 'c' its mass becomes infinite. However this may be so if we are dealing with a mass and its velocity is increased, but the dimensions of time can be used in different forms. We can develop a shell of zero time around our spacecraft so that the shell is in 3 dimensions of zero time and this allows our craft and its contents to pop put anywhere in four dimensional space-time in zero time. Remember time intensity in the magnetic field can allow the development of a shell of zero time around our spacecraft.

This is the basis of the physics of the "mother ships" that carry the flying saucers around the universe. They are like aircraft carriers with flying saucers inside. The mother ships use time intensity in the magnetic field to develop a zero time shield around the ship. This allows them to travel vast distances in zero time.

How Do Flying Saucers Work?

Flying saucers have been observed by reliable witnesses for thousands of years. They come in two general shapes, the scout vehicles which are saucer shaped and the 'mother vehicles' which are an elongated football shape. The characteristics of their flight in a gravitational field include:

a) hovering

b) moving slowly
c) moving at speeds of 3000 k/hr and greater
d) changing direction suddenly and appearing to impart a "force" of 100 'g' s on the craft, but with no apparent forces.
e) disappearing
f) no chemical, fossil or nuclear fuels
g) silence
h) no effect on the occupants

These characteristics cannot be explained by conventional physics and our current technology.

The characteristics can be explained in 'The Physics Of Time" using both gravitons and resonating electromagnetic fields.

Flying saucers can develop the above characteristics of hovering, changing speed rapidly, disappearing, and being silent, by developing:

a) an artificial graviton field in the form of a variable gravitational time field in the direction of their intended flight that is of the required intensity to cause the motion intended.

b) a resonating magnetic time field. Craft can relocate to another space co-ordinate or simply disappear from sight and radar, using resonating magnetic fields, because electromagnetic waves, such as light from the craft or radar, can be refracted within these fields.

A flying saucer can also appear blurred because reflected light from the craft when it passes through the time field surrounding the craft is differentially refracted.

Gravitons radiate from all matter and therefore to produce a gravitational field, it is a case of controlling the existing graviton field. This can be achieved by:

1) a field around the saucer being like a lens and refracting the existing graviton field from the Earth into a focus in the intended direction of travel. This would require the flying saucer to incorporate the technology capable of producing a time field that refracted gravitons, or

2) the base of the flying saucer being made of material which converged reflected gravitons from the existing gravitational field to a focus above the spacecraft, or

3) the top of the spacecraft being made of a material that reflected gravitons to an imaginary focus above the spacecraft (the gravitons would be reflected below the spacecraft)

An alternative would be **graviton generators** located around the base of the flying saucer that could focus a graviton field at a point in the direction of intended travel.

The intensity of the field generated by the **graviton generators** as a result of the sharpness of the focus and density of gravitons would determine the speed of the craft.

Graviton Generators

Reflecting and refracting gravitons can be achieved with very strong time fields. The other form of generating an intense graviton field is the artificial generation of a graviton field using **graviton generators** on the underside of the space-

craft. The field is then focused at a point in the direction the occupants wish to go and the artificial gravitational field developed would allow the craft and its occupants to travel in any direction without any force on them and at a speed dependent on the intensity of the artificial field.

Consider existing graviton fields. They are produced in nature by the random release of gravitons from all matter. It happens that in heavenly bodies this random release of gravitons results in a radiating field and produces what we know as a gravitational field.

In magnetic fields there are controlled time fields produced by magnets and called magnetic fields.

A magnet creates a magnetic field and a magnetic field is a time field, albeit a three dimensional time field. The magnet creates this field when the nuclear particles in the iron of the magnet have been orientated in a direction.

Gravitons come from all matter. They too are time related and are a single dimension of time. They create the gravitational field as has been explained earlier. There must be a way of orienting the nuclear particles in one of the elements, or creating an artificial element, that develops a directional graviton generator, similar to a magnetic field, only with gravitons.

Chapter 9

The Philadelphia experiment and Noah's ArK

Can "The Physics Of Time" and "The Physics Of A Flying Saucer" lead towards an explanation of other observed historical phenomena that have created world-wide interest?

The circumstances and events surrounding the Philadelphia Experiment, and the design of Noah's Ark, make them particularly interesting occurrences to examine in the light of this new physics.

The Philadelphia Experiment

The book "The Philadelphia Experiment" written by Charles Berlitz and William Moore [8] claims to be "The true story behind Project Invisible", a secret experiment conducted by the US Navy during the 2nd World War. It involves the accidental disappearance of a destroyer during an 'electronic camouflage' experiment at the Naval Dockyards in Philadelphia. The ship disappeared and then reappeared several hundred miles up the coast before returning back to the Philadelphia Naval

Dockyard. This all happened in a few minutes. It appears fantastic, but over the years there has developed a great deal of substance to the story. Officially the experiment never took place.

It is interesting that the US Navy denies the experiment ever occurred, and all records of the ship involved have been lost, including the names of the crew, the captain of the ship and details of any manoeuvres the ship conducted. It is a classic cover-up.

The story apparently goes that Einstein had developed his Unified Field Theory and became a consultant to the US Navy during the Second World War. The Navy began experimenting with resonating magnetic fields on a ship called the Eldridge to determine whether such a field could produce a shield of electromagnetic radiation around a ship to bend and deflect enemy radar. If the experiment worked the allied ships would become invisible to German radar and thus reduce the huge losses the merchant navy was suffering. However the experiment went horribly wrong.

Certainly the US Navy had a motive to carry out such experiments. Certainly Einstein had been working on his Unified Field Theory since developing General Relativity in 1915. And also Einstein was concerned about the Germans and their technical know-how. But let's look further.

There is a high probability that a major cover-up exists involving UFOs and it began with the US Navy and the Philadelphia Experiment. It covers flying saucers, the suspicious deaths of a number of leading scientists and retrieval of crashed UFOs and alien contact itself.

However let us begin with the Philadelphia Experiment and the subsequent experiments carried out by the US Navy.

The Unified Field Theory is about the unification of the gravitational, electric and magnetic fields. You will note earlier in this book that for some strange reason it was the US Navy, and not an academic institution, which initiated experiments using atomic clocks to measure the change in time in the Earth's gravitational field with distance from ground level, and with the change in time that occurs with the increase in velocity on a body.

Why was the US Navy involved in such experiments? Did they know something about the gravitational field and time clocks that were of military importance? They were obviously involved in gravity experiments and the relationship of gravity and time. They therefore were also concerned with verifying the Theory of General Relativity because this is the beginning of the path to their real interest, an understanding of the nature of the unification of the fields.

Why was the US Navy and not a research institution involved in pure physics research using atomic clocks to determine the change in the rate of time on an object at various heights in our gravitational field and the change in the rate of time of an object with increasing velocity? They were involved because it had military interest.

Why did the US Navy require such information? Why were they funding such a project? Had they been involved in experiments which showed some areas of physics to be stranger than fiction?

In the early stages it was probably not important to them that others knew of the experiments. However it wasn't long, especially after the Roswell Incident and the recovery of an alien space craft, that a wall of silence was placed on this whole area of physics. It became, and still is today, **above top secret.**

In his book "Above Top Secret", Timothy Good outlines the high level of secrecy that surrounds the cover-up of UFO's and alien visits to Earth. The book is forwarded by former Admiral of the Fleet, The Lord Hill-Norton GCB, former Chief of Britain's Defence Staff.

Why would the US Navy want to conduct tests with atomic clocks, unless they had a reason? Here is the reason.

The story begins with the father of modern physics Albert Einstein. Einstein developed his Special Theory Of Relativity in 1905 which formulates the time change on a particle as it increases its velocity. In 1915 he used this theory and developed the General Theory Of Relativity, which is a 4 dimensional space-time theory on gravity. Both theories involve a deep understanding of the nature of "time".

From 1915 Einstein devoted a major part of his time trying to develop a 'unified field theory'. This theory, as previously discussed involves the unification of the fields of gravity, electricity and magnetism. Einstein, so the story is told, spent the rest of his life trying to develop a unified field theory.

When Hitler came to power in Germany in 1933, Einstein, who was a German and a Jew, realised his life was under threat and obtained a position at Princeton University.

Although Einstein was a pacifist, he understood the threat Hitler posed to the world and at the beginning of World War 2 wrote a letter to President Roosevelt warning him about the likely development of nuclear weapons by the Germans and encouraged the US to develop such a weapon first. It is generally accepted that it was Einstein's letter that led to the Manhattan Project which developed the world's first atomic bomb.

Einstein did not participate in the Manhattan Project. However he was involved with the military during the War as an advisor to the US Navy. A photo of Einstein in his study on July 24th, 1943 with Lt Cdr Frederick L. Douthit and Captain Geoffrey E. Sage at the commencement of his work with the US Navy's Bureau of Ordinance can be seen in the book "Einstein. The Life And Times" by Ronald W. Clark.[9]

Why was Einstein a consultant to the US Navy? His expertise was pure research in theoretical physics, it was not an area where the US Navy would approach Einstein. There has to be a high probability that Einstein, after careful consideration, offered his services in the area of his expertise where there was a practical application, namely the work he had been doing in 'the unified field theory'.

And what did Einstein consult to the Navy? It has to have been in an area relevant at the time to the US Navy and also related to the unified field theory. There has to be a high probability that Einstein did consult the US Navy on a method of making a ship invisible to enemy radar and that this could be achieved using his understanding of the unified field theory.

Using the theory, a ship could become invisible to radar by de-

veloping an intense electromagnetic field around it and thus cause enemy radar to be deflected away from the ship and not back to the radar receivers. This type of field follows the formula developed under 'time intensity' in the magnetic field, namely;

$$T_m = k_M . q . 2 . v . a$$

'k_m' is the magnetic constant.
'qv' is a magnetic field . A moving (v) electric field (q) results in a magnetic field (qv).
'a' is an acceleration and/or deceleration of the field and can be achieved by surging the field.

Did Einstein and the US Navy use the above formula? No-one is saying. However the method that is claimed to have been used certainly fits the equation.

The intended experiment was to develop a magnetic field to the required intensity around a ship, and then beam electromagnetic radar signals which would be refracted in the field rather than being reflected off the ship, and thus avoid being picked up by radar operators. The ship would be invisible to radar.

The experiment began, as the story goes, by placing 2 powerful magnetic generators a small distance apart at one end of a ship and 2 at the other end. They would then develop an oscillating magnetic field, which is as previously discussed, time intensity in the magnetic field, and this should cause any radar signals to be refracted.

If the story is accurate, Einstein obviously participated. The experiment involved the Unified Field Theory and Einstein was the expert in this area and a Navy consultant. Nobody could guess such an experiment.

The experiment resulted in some very unexpected outcomes. It was not a failure in a scientific sense, although it was a disaster for the personnel involved. There was just a complete lack of understanding as to the outcomes resulting from the strength of the intensity of the field on Navy personnel by the scientists involved.

However the lack of concern for the safety of personnel during research on new technology was not uncommon during the War and shortly afterwards. For instance, consider the atomic tests by the British in Australia in the 1950's when military personnel were allowed to watch atomic tests, turn their bare backs during the explosion and then turn around to watch the mushroom cloud. The effects on their health were devastating.

The same experimental approach appears to have happened with the Philadelphia Experiment.

Crew were allowed to wander around on the deck of the ship during the experiment. Many had metal pieces of equipment on, like belt buckles, others had compasses in their hands. Few had any form of protective clothing such as heavy duty rubber coats over their entire body.

It is interesting that the aliens appear to wear tight fitting space suits with a rubber based type material, goggles and no metal extras. The material of their space suits obviously pro-

tects them from electromagnetic radiation.

The Philadelphia Experiment used a recently built ship called the "Eldridge" and magnetic generators were placed at either end of the ship. The generators on the ship were started. The magnetic field was applied. The crew on the deck of the ship were exposed to a very strong intense resonating magnetic field. The ship and its crew disappeared, then "materialised" at the Norfolk port facilities for a short time two hundred miles up the coast and then returned to the Philadelphia Dockyard , all within a matter of minutes.

When the magnetic field was turned off, some sailors had their arms and bodies caught up in the metal of the ship's deck. Others were able to walk through walls. Others during their exposure to the field caught fire as a result of wearing or carrying metal objects. All the crew on the deck of the ship went mentally insane. One crew member later "walked thru his quarters' wall in sight of his wife and 2 children ..... 2 other crew members were never seen again....two others went up in flames, they caught fire while carrying small boat compasses....they burnt for 18 days."

The ship prior to trials was the "DE 173 " and later named the "Eldridge". It was used in the dockyard experiments and the sea trials. It was during the sea trials that sailors on neighbouring ships saw and later leaked the experiments. One sailor on a neighbouring ship during sea trials was able to "shove my arm up to the elbow, into this unique force field as that field flowed, surging powerfully in a counterclockwise direction around the little experimental Navy ship, the DE 173. The ship had a sheet of pure electricity as it flowed...(This) flow was strong

enough to almost knock me completely off balance.... it began as a humming sound, quickly built up ....to a humming whispering sound, and then increased to a strong sizzling buzz (like a) rushing torrent ....I watched as thereafter the DE 173 became rapidly invisible to human eyes. And yet, the precise shape of the keel and underhull of that .... ship *remained* impressed into the ocean water as it and my own ship sped along somewhat side by side and close to inboards.....(I was wearing) hip-high rubber sailor's boots and sou'wester coat ..... my entire body was not within that force field when it reached maximum strength-density, repeat, density, and so I was not knocked down but my arm and hand was only pushed backwards with the fields flow."[8]

The sailor was lucky to have the protection of his wet weather clothing made from rubber.

No sailors from the Eldridge have been found or volunteered to come forward. However it is known that those alive after the experiments were discharged as medically unfit and probably given a pension. Obviously the US Navy put pressure on those involved and their relatives to keep the matter a secret. This has been achieved on other secret projects quite successfully. It is interesting that the US Navy lost all records decades ago on the location of the Eldridge during its sea trials, its crew and its service with the Navy.

Did the Philadelphia Experiment take place? If it didn't, why the cover-up? What was Einstein consulting on to the US Navy? It is a high probability that as an expert on the Unified Field Theory, this was Einstein's area of

involvement. Why did the US Navy conduct experiments with atomic clocks after the war? It certainly is a strange area for a navy to be involved! Did Einstein give the Navy the secrets to his Unified Field Theory? Or was Einstein trialling in the Philadelphia Experiment a theory that went wrong and the US Navy afterwards decided to take it further?

The strange death of Dr M K Jessup, an expert in astronomy and mathematics, is also very suspicious. He wrote a book called "The Case For The UFO". The Office Of Naval Research in Washington had meetings with Dr Jessup after they received copies of his book with writings in the columns outlining additional information involving the Navy and others in matters on the nature of gravity.

Dr Jessup was the one who initially began the trail leading to the disclosure of the "Philadelphia Experiment". He was later involved in a serious car accident and then apparently committed suicide. There was no autopsy on his body. Why is it that so many scientists involved in research and commercial activity in the areas related to time fields have suspicious deaths?

The Office Of Naval Research in Washington appears to have been involved in relativity, UFO sighting co-ordination and antigravity research. Maybe they have some answers!

Equally fascinating is the story of Noah's Ark and the specific details outlined in the Bible, with regard to its construction.

The Ark

To understand the reason for the unique construction of Noah's Ark, the physics behind the construction must first be explained.

Earlier it was hypothesised how an oscillating electromagnetic field produces an intense time field that can be used to surround an object such as a spaceship and that this can be used for inter-galactic space travel.

The use of oscillating electromagnetic fields is the basis of the physics used in the Philadelphia Experiment. Unfortunately the scientists were unaware of the consequence. The ships crew ended up either dead or in mental institutions. The survivor from another ship that sailed close to the Eldridge during the experiments was only saved because it was raining and in his own words he was wearing a "sou'wester". This is a thick, hooded, rubber raincoat.

In the formulae for electric fields it can be seen that an intense electric field can be developed by dq/dt which is normally expressed as a current (i). A current is protected by by insulation which is rubber. A magnetic field is a moving electric field, so rubber and similar compounds are a protection against both electric and magnetic fields.

Further the aliens all wear what appears to be skin tight space suits and goggles probably of a compound like rubber to protect them from electromagnetic radiation.

Now consider what happened to Noah.

Genesis 6: 11[9]

"Now the Earth was corrupt in God's sight and was full of vi olence. God saw how corrupt the Earth had become, for all the people on Earth had corrupted their ways. So God said to Noah, 'I am going to put an end to all people, for the Earth is filled with violence because of them. I am surely going to destroy both them and the Earth. So make yourself an ark of cypress wood; make rooms in it and coat it with pitch inside and out. This ark is to be 450 feet long, 75 feet wide and 45 feet high. Make a roof for it and finish the ark to within 18 inches of the top. Put a door in the side of the ark and make lower, middle and upper decks.'"

Noah was given very specific instructions on how to build the ark. It was made of cypress wood. It was to have pitch placed on the inside and the outside over the entire boat.

The ark was also completely enclosed. It had a roof and the top was covered. Gen 8:6 "After forty days Noah opened the window he had made in the ark and sent out a raven..." and ' further on in Gen 8:13 "... the water had dried up from the Earth. Noah then removed the covering from the ark and saw that the surface of the ground was dry." The ark was completely covered. There was no deck or bridge like the old sailing ships or a normal boat for the occupants to walk around on during the day and observe the weather or the scenery.

Why was Noah given such a strange design for a boat? Why wasn't he told to just build a boat and fill it with family and animals and ride out the weather. The answer is that the arc was more than a boat.

The design of the ark was that of a 3 dimensional time machine. The occupants were protected by Cyprus timber and the pitch (tar) on both sides of it. There appears to have been no metal nails, only wood. Everyone had to stay inside. No-one came out until they were told to, after the flood had gone. The design was given to Noah by a supernatural, "God".

Noah built the ark and loaded it up, closed the door and it started to rain. The angels, or aliens, only needed to install the generators of the magnetic time field and the arc was a modern spaceship capable of travelling anywhere in the universe, or a "time capsule".

Noah probably took the animals on board which were of his local world. The 'angels' in their crafts could have rescued the other animals from other parts of the world.

Noah and the ark is no fable, it could actually have happened. The ark was far better designed and Noah was far better instructed than the US Navy's Eldridge and its crew in the Philadelphia Experiment. The ark could protect its occupants from any electromagnetic time field with pitch and timber.

Noah, his family and animals were instructed to remain inside the ark protected from the field well after the rain had stopped and until after the flood had receded and the land completely dry. This may have taken years or even decades if it occurred as a result of melting and then freezing the polar caps, but to Noah and his cargo it was only seven months. Someday in the future when our space explorers travel near the speed of light to other locations in the universe, it will be accepted that they will return having only aged a few months whilst those left behind are decades older.

The parting of the Red Sea when the Israelites were fleeing from the Egyptians and the pillar of cloud by day and the pillar of fire by night which went ahead of them, are further examples of "the angels" using their superior technology of gravity and space craft.

Chapter 10

A Glimpse into the Future and a Note Of Caution

Did the Philadelphia Experiment take place? Is Noah and the Ark a fable? Is the star the wise men followed to Bethlehem, and which then hovered over the stable to show them the location of the manger, a myth? Did the Israelites follow a flying saucer out of Egypt? Are there angels or aliens?

Is it possible that our base for understanding the universe is from a primitive level of physics? Physics research has only been seriously studied for a century or two. Some galaxies are over a billion years older than our galaxy. Surely we have to accept the fact that there are more advanced intelligences in the universe and that they have the means to visit the Earth, and have been doing so for many thousands of years.

So what are the implications that this physics has explored? What future technologies are possible? How will they benefit people in the future? What are the possible dan-

gers?

"The Physics Of Time" identifies gravitational fields, electric fields, magnetic fields, nuclear particles and mass all as various dimensions of time.

If these fields are considered force fields, such as the force of gravity, electrostatic force, the magnetic force and the nuclear force as they are today, then our solution to separating atoms or atomic particles held by these "forces" is that of using force and temperature and energy.

When a rocket is used to go to the moon, a force is used to break through the Earth's gravitational field. When iron ore is smelted in a blast furnace to produce steel, energy and high temperatures are used to break the electrostatic bonds between the atoms of iron and oxygen. When the physicists examine the inner parts of the atom they do so in particle accelerators where atomic nuclei are bombarded with high velocity particles.

Should we determine the structure of a house by using a bulldozer and then examining the bricks and timber left in the pile of rubbish? Can this method identify the purpose of the internal use of the house? The answer is that only a limited knowledge comes from such an approach.

If nuclear particles are dimensional time fields and the electrostatic bonds holding atoms together are time fields, and not force fields, then we can separate electrostatic bonds and examine the structure of nuclear particles using time fields.

A blast furnace can be replaced by a cold furnace. A cold fur-

nace can be used to develop an intense electrostatic field to allow atoms and atomic particles to separate at room temperature.

Time fields can be used to allow hydrogen nuclei to come close enough to fuse into helium to give clean energy. This eliminates the use of fossil fuels, petroleum and the nuclear fission of uranium.

New and strong materials can be produced using time fields to bond individual atoms, rather than the current method of melting and cooling and creating stresses within a mass, as is the case with iron and aluminium smelting. Aircraft for example could be a fraction of their current weight. Alien space craft are apparently constructed of these light weight materials.

By better understanding the electrostatic bonds between water molecules we can control the weather. We can make it rain in deserts, we can stop it raining to prevent floods.

We can control cyclones and hurricanes as well.

Why do cancers occur? Is it because new cells develop a different time clock and multiply faster than normal cells? If it is, then it probably results from an abnormal time field being present when the cell forms. By understanding time fields we can prevent cancers occurring, and detect those that have formed, especially in their early stages.

This new physics also of course explains, as outlined in this book, the new technology which can lead to the development of "flying saucers".

The technology for the above concepts and others are in my pending patents taken by the Australian Department of Defence and the Australian Safeguards Office. Funding is required to develop the technologies, and for some reason there are glass ceilings within the science/government/defence bureaucracies.

Furthermore a high technology listening device developed by the CIA and used by the Australian Security Intelligence Organisation was found in our home. It was verified by a senior manager of a major electronics company.

Why are scientific journals so reluctant to comment on the "physics of time" outlined in this book? One journal replied to my physics paper as follows;

"The Editorial Panel has now reviewed your paper and after careful consideration , I regret to advise you that it has decided not to accept your paper for publication for the following reasons.

The panel has approached numerous engineers and astronomers for a review of the paper. Unfortunately those approached are reluctant to comment on the paper and the panel has now decided that the above publication is not suitable for publication of your paper."

On questioning the journal about its policy on commenting on all papers, the editor decided to have the paper reviewed by additional experts.

Several months later they replied as follows;

"Further to our letter to you on February 3, 1997, advising that your paper was not acceptable for publication. We have asked another 3 experts to review your manuscript. Once again, the reviewers have recommended to the editorial panel that the paper should not be accepted for publication.

The standard practice ..... in such a case would be to enclose the reviewers' comments for your information and to provide an insight as to why the paper has not been accepted. I understand from previous conversations with you that you were eager for us to provide specific comments on your paper's content. We regret that we are unable to provide them. The reviewers have chosen not to make any comments to the author, in this instant...."

The cover-up extends beyond the US military. It involves the senior bureaucracy, the security service and police, and the scientific community in most of the advanced countries. The X-files is not fiction but fact.

The Future

The exciting area for the future is of course intergalactic travel and communicating with other intelligences in the universe.

I have detailed the physics of intergalactic space ships, but what form of intergalactic communications is most likely used in the cosmos?

Intergalactic Communications

Our current method of communications is using electromagnetic waves, as radio waves, microwaves etc. But this is fine on Earth or in our solar system. But who wants to wait years for a signal? In intergalactic terms, electromagnetic waves can be stopped by other masses, such as suns, planets and dust, they can be interfered with and bent even by relatively weak gravitational fields, and even primitive intelligences such as ours on Earth, can listen to them.

Graviton waves are by far a better form of intergalactic communication. They travel through all matter without significant deflection. This is important when communicating between galaxies and across the universe. They also probably travel at the cube squared of the speed of light as discussed, so the time delay is minimised. They are probably used as radar for space craft travelling near or at the speed of light, because of their faster speeds than light.

A graviton generator could be an important piece of equipment for space travel. It can be used for the propulsion of a spacecraft, for radar and for intergalactic communications.

Does NASA already know about extra-terrestrial life in the universe? Is this the reason it is not interested in committing any funds to the "Search for Extra-Terrestrial Intelligence (SETI)" program? This program is using conventional astronomical dishes to scan electromagnetic radiation from the cosmos. Maybe NASA realises that extra-terrestrials do not use electromagnetic radiation for communications!

A Note Of Caution

The possibilities in this technology for exploring new frontiers are exciting beyond even our expectations. However with any substantial advance, there are the dangers that it can be misused for our own destruction.

We have had the choice with nuclear power of using it for peaceful purposes or total mutual annihilation. We are gradually pulling back from the brink, but this is for only one technology, nuclear fission.

This new physics, the "Physics Of Time", can turn the hydrogen from a cup of water into a weapon that can destroy a city. Is this why Einstein conferred with Prof Bernard Russell, a pacifist? Was Einstein aware of the potential of the new physics in the Unified Field Theory? Was he concerned about the impact of the technology and the then development of the human race? The answers to these questions are unknown but are probably "yes".

However without the new physics we will not survive. We cannot continue using fossil fuels and destroying our environment. But can we handle the new technology? That is the big question!

Do we have to develop a new level of brotherly understanding in parallel with our development in technology to survive?

Biblical descriptions of unexplained phenomena such as flying saucers, angels and aliens, and other miracles are surrounded by the messages of love for God and love for your neighbour. Do we require such a level of spirituality and righteousness

toward each other to cope with this new technology? Have some other civilisations in other worlds failed to develop a level of love and respect for each other, and were then destroyed using the new technology as tools of war? Is this what happened to Mars? Or will these new technologies help create a level of decency towards each other, towards other nations, and towards our planet, which is a requirement for all of us and our planet to survive?

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In reply please quote:

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SYDNEY.

PNL 2

28FEB1995 29537 29624

RE: Provisional Application No.s PN1149 and PN1273 the name of Roach Industries Pty. Ltd.

Sir,

Receipt is acknowledged on 15 February 1995 and 21 February 1995 of the abovementioned provisional applications. These applications were filed and allocated provisional application No.s PN1149 and PN1273.

However due to the nature of the invention and the possible military interest, the applications have been forwarded to the Department of Defence and the Australian Safeguards Office for a determination as to whether or not a publication prohibition order should be placed on the inventions.

As soon as advice is received from the Department of Defence and the Australian Safeguards Office you will be notified. In the meantime you are requested to advise the applicant to refrain from publishing or otherwise divulging information regarding this invention.

If you wish to discuss this matter further please contact me at this office in writing or by telephone on Number 06-2832319.

W.Thompson
Patent Filing Unit
28 February 1995.

Cleared by
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